

## Environmental Meters & Testers



F of V: Field of View (Distance to target)

Part No.	Manufacturer	Mfr. Part No.	Description	* Web Code: EMT	
				1	5
1537299	Extech	IR100	Thermometer, Mini IR, measures temp.(-31 to 446F) F of V 1:1	\$39.95	\$36.95
164321	Fluke	FLUKE-65	Thermometer, Non-Contact Infrared w/ Laser Pointer, measures temp.(-40° to 932°F) F of V 8:1	239.95	224.95
219361	Extech	IR-201	Thermometer, Pocket IR w/ Laser Pointer, measures temp.(-58° to 518°F) F of V 6:1	59.95	56.95
214480	Fluke	FLUKE-52-2	Thermometer, measures temp.(-328° to 2501°F)	269.95	249.95
198045	Extech	445703	Thermometer, Digital Hygro & Humidity Meter w/ Indoor Readings, measures temp.(14° to 140°F) & RH (10-99%),	39.95	37.95
1939634	Extech	445713	Thermometer, Digital Hygro/Humidity Meter w/ Indoor & Outdoor Readings & Remote Sensor on 35' cable, temp.(14° to 140°F) & RH (10-99%)	44.95	39.95
218085	Extech	45118	Thermo-Anemometer, Mini, measures temp.(0° to 122°F) & air velocity (1.1 to 62.5mph)	99.95	89.95
1939731	Extech	RPM10	Thermometer, IR & Tachometer, measures temp.(-4° to 600°F) & RPM: photo tach.(10 to 99,999 rpm), contact tach.(.5 to 19,999 rpm) & surface speed.(.2 to 6560 feet/min or .05 to 1999.9 miles/min)	289.95	269.95
2094266	Extech	DA50	AC current detector, telescoping 3', non contact, 200-1000A @ 50/60Hz, for shielded and hidden wires	39.95	37.95
1585899	Extech	CB100	AC Circuit Breaker Finder & Receptacle Tester, locates 110 to 125 volt AC circuits & fuses and has push button GFCI test	29.95	27.95
2094282	Extech	RT30	AC Circuit Identifier, wireless remote, confirms correct circuit is open mid-wire, w/o having to connect directly to the wires	129.95	119.95
1581169	Extech	FG100	Combustible Gas Leak Meter, detects: LNG, LPG from 500 to 6500 ppm	59.95	54.95
2094291	Extech	DT100	Distance meter, ultrasonic, laser pointer IDs targets from 20' to 50', calculates: sum of measurements, area and volume	39.95	36.95
131764	Various	LX-102	Light Meter, Digital, ranges: LUX 0 to 50,000, footcandle 0 to 5,000	109.95	89.95
1581142	Extech	RH300	Psychrometer, Digital, measures: %RH (10 to 90%), temp.(int.-4° to 122°F, ext.-4 to 158°F) dew point (-90.4° to 122°F), & wet bulb (-6.9° to 122°F)	79.95	74.95
1939642	Extech	480836	RF EMF Strength Meter, measures frequency (50MHz to 3.5GHz)	229.95	209.95
645642	Extech	407730	Sound Level Meter, Digital, decibel range (40dB to 130dB)	89.95	79.95
667526	Fluke	LVD1	Voltage Detector & Flashlight, detects voltages from 40VAC to 300VAC, 1-15" away	29.95	26.95
2094274	Extech	DV50	Voltage Detector, telescoping 3', non contact, 5-1000VAC @ 50/60Hz, for shielded and hidden wires	29.95	27.95
1537272	Extech	CT20	Remote & Local Continuity Tester, drives a 20mA DC current pulse through wires & cables for test	29.95	26.95
115895	BenchPro	251450	UTP Ethernet Cable Tester, Tests: open circuit, shorts, & miswire, connector type: RJ45 8P8C, tests: AT&T Ethernet, 10Base-T, 258A, & 356A cables	29.95	26.95
1928468	Vastech	KT45	Cable Tester for Network & CATV, auto test for continuity, miswires, shorts, open circuits, & reversals	39.95	35.95
145710	BenchPro	145710	Modular Cable Test, tests 10Base-T, 10Base-2, RJ45/RJ11, 356A, TIA568A/568B, & Token Ring cables, tests: continuity, miswiring, open circuits, shorts, grounding & pin configurations, includes 4 adapters	69.95	62.95
198002	Extech	40180	Tone Generator & Amplifier Probe, tests: wire trace, continuity, clear/busy/ringing line, & tip/ring ID	79.95	72.95
615136	GC Elec	45-5767	LANtest Network & Modular Cable Test, tests 10Base-T, 10Base-2, RJ45/RJ11, 356A, TIA568A/568B, & Token Ring cables	99.95	—
681504	BK Prec	1253	HDTV Portable Pattern Generator for: Plasma, LCD, TFT, CRT, DLP, GLV, & OLED digital systems	399.95	369.95
14285	BenchPro	RS232	RS232 line tester, identifies simple interface problems on lines 2-6, 8, 11, 19, 20	7.95	6.95
26729	BenchPro	31D3	RS232 mini line tester, tests any RS232 (DB25) interface 7 bi-color LEDs indicate status	7.95	6.95
105196	Various	TRIPORT	RS232 signal adapter/splitter, metal connectors DB25 F/m & DB9F gold plate DC contacts	8.95	7.95

Blue Part No. - Limited Quantity Available

### Passive Component R/C SMD Tweezer Meter

One hand operation for fast, precise identification and measure of surface mount components.

- 4000 count LCD display
- Measures resistance, capacitance and diode test
- Relative mode for zero or user applied reference
- Capacitance range: 4nF, 40nF, 400nF, 4µF, 40µF, 200µF
- Resistance range: 400Ω, 4kΩ, 400kΩ, 4MΩ, 40MΩ



Part No.	Mfr. Part No.	1	5
1939685	RC100	\$59.95	\$54.95

\* Thermometers — Enter Web Code CEL

\* Cable Testers — Enter Web Code TBF



### Passive-Component Digital LCR Meter

- 4 1/2-digit backlit LCD display
- Test frequencies of 120Hz and 1kHz
- Selectable parallel or series equivalent circuit
- Res. ranges: 20Ω to 10MΩ
- Cap. ranges: 2000pF to 10mF
- Induc. ranges: 2000µH to 10,000H
- Quality (Q) reading: 0 to 9999
- Set HI/LO limits, absolute or percentage
- Bidirectional RS-232 port with optional software
- Max./Min./Avg. recording with auto power off
- Accuracy of 0.7% for L & C, 0.5% for R
- Dissipation Factor (D) reading: 0 to 0.9999
- Weight: 0.8 lbs.
- Measures L, C & R with secondary parameter Q, D or R; both are displayed



Includes: Test leads, alligator clips, 9V battery & holster

Part No.	Description	Size (W x D x H)	1	5
198678	LCR Meter	3.6" x 2.1" x 7.6"	\$199.95	\$189.95
189238	9VDC adapter for 198678	3.6" x 2.1" x 7.6"	5.95	5.35

\* For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above







## 50mV/50A Current Shunt

- Current range: 0 to 50A
- Accuracy: 0.8% ±0.2mV
- Output ratio: 1mV/1A
- Max. current: 100A



Part No.	Product No.	1	5	25
162309	ST-50	\$25.95	\$23.95	\$21.95

## Camera Detector

The easy to use P3 camera detector fits in the palm of your hands. Discreet sweeps of the home, office, or hotel room can be done quickly and efficiently. When a camera is discovered, an LED flickers and an audible alarm sounds



**NEW**  
MARKED IN PINK

- Auto sensitivity tuner
- Detects frequencies from 50Hz to 3GHz
- Multi-channel scanning • Audible LED alarm
- Power requirements: 2 CR2032 batteries
- Size: 3.25"L x 0.75"W x 0.25" thick

Part No.	Mfr. Part No.	1	10
2096157	P7030	\$29.95	\$26.95

## ZapChecker (RF Field Strength Meter)

Detect and measure radio signals on HF, VHF, UHF or Microwave frequencies. Ideal for discovering wireless bugs and covert cameras. The ZAPCHECKER also works well to help install wireless security systems and wireless computer networks by checking where the strongest signal is. ZC-300 (667817) also includes a long periodic antenna for an extra boost and a BNC connector if you choose to use other antennas.



- Sensitivity control: 20dB, (10:1) signal control range
- Detection modes: LINEAR – for far-field detection of weakest signals: 12dB • Sensitivity: 45µV
- Dynamic range: LOG – for near-field localization without overloading: 60dB
- Dynamic range MID – for intermediate detection and localization: 25dB dynamic range
- Silent vibrator or analog meter communicate results
- LED display indicators • Size: 2.1"W x 1.3"D x 5.0"H

Part No.	Mfr. Part No.	Frequency	1	5
667817	ZC-300	1MHz-8GHz	\$439.95	\$399.95

## EXTECH Humidity/Temperature Data Logger

- Simultaneous numerical and graphical LCD display of humidity and temperature readings, plus time and date
- Measures humidity (10 to 95% RH), temperature (-20°F to 140°F) plus included LabView™ based software that calculates and graphs dew point, wet bulb and GPP (grains per pound)
- Internal memory records up to 49,000 data points & can be transferred to a PC via RS-232 serial port



\* Web Code: LOG

**Includes:** Built-in stand, detachable probe with 1m (3ft.) cable, RS-232 cable, USB adapter, LabView based software, AC adapter, and 3 AA batteries

Part No.	Mfr. Part No.	1	5
2075866	RH520A	\$249.95	\$224.95

☞ RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.



## USB Data Loggers

- Measures and stores up to 32,000 readings
- User programmable alarm thresholds
- Data can be graphed, printed, and exported to other applications
- High & low alarms, start date/start time
- Temp. range: -31°F to 176°F
- Windows® 98/2000/XP/Vista compatible software included



2076367



2075989

### 2076367: Temp., humidity & dew point data logger

- 2 1/2-digit LCD display
- Data logger set-ups: logger name, °F/°C, logging rate (10s to 12 hrs) • Pushbutton to start
- Relative humidity range: 0 to 100% RH

### 2075989: Temperature data logger

- Data logger set-ups: logger name, °F/°C, logging rate (10s to 12 hrs)

Part No.	Mfr. Part No.	1	5
2076367	EL-USB-2-LCD	\$99.95	\$89.95
2075989	EL-USB-1	59.95	54.95



## Home Inspector Kit

Designed to aid in identification of moisture, HVAC, electrical & hot water system issues.

### MO280 Pinless Moisture Meter

- Displays % moisture from 0 to 9%
- Measurement depth to 0.75" (22mm) below the surface



Save \$40

### ET10 GFCI Receptacle Tester

- Tests for faulty wiring in 3-wire receptacles & GFCI circuits
- Detects 5 wiring faults
- Lights indicate circuit condition

### 42500 Mini IR Thermometer w/ Laser Pointer

- Measures from -4°F to 500°F (-20°C to 260°C)

### 39240 Waterproof Stem Thermometer

- Ideal for testing hot water heaters
- Measures from -40°F to 392°F (-40°C to 200°C)
- 2.75" (70mm) stainless steel stem

Part No.	Mfr. Part No.	1	5
1939669	MO280-KH	\$199.95	\$169.95

## Industrial Troubleshooting Kit

Provides all the electrical testing needs for installation and repair. This kit includes EX430 True RMS Multimeter with 11 functions, 42510 Mini IR thermometer and MA200 400A AC clamp meter.



Save \$40

- Size: 9.5"W x 2.8"D x 6.8"H

**Includes:** Test leads, K-type thermocouple bead probe, Type K to banana input adapter, multimeter hanging straps & batteries

Part No.	Mfr. Part No.	1	5
1939749	TK-430-IR	\$199.95	\$179.95

☞ Blue Part No. = Limited Quantity Available



## Electronic Starter Kit

This kit includes everything you need to get started with electronics.

**Includes:** 8 function 20K count DMM, 6.5" x 3.125" breadboard, wire cutter, stripper, 11-pc. precision screwdriver set, soldering iron, solder, jumper wire kit, hook-up wire, electrical tape, assorted capacitors and resistors

Part No.	Description	1	5
2099171	Electronic starter kit	\$99.95	\$89.95



## 3-in-1 Lab Center

### Digital Multimeter:

- 3-1/2 backlit LCD
- Automatic polarity indication
- DC voltage ranges: 200mV to 600V
- AC voltage ranges: 200V to 600V
- DC current ranges: 200µA to 10A
- Resistance ranges: 200Ω to 2MΩ
- Diode, transistor and continuity tester



### Regulated Power Supply:

- Selectable output volts: 3 to 4.5; 6 to 7.5; 9 to 12VDC
- Output current: 1.5A (2A peak) • On/off switch

### Soldering Station:

- 48W ceramic heating element with temp. sensor
- 24V soldering iron • Temp. range: 150° to 450°C

**Includes:** Test leads, user manual, sponge, spare bit for soldering iron and 9V battery for DMM

Part No.	Mfr. Part No.	1	5
695025	LAB1U	\$159.95	\$139.95



## 3-in-1 Multimeter and Cable/Line Tester

- 2000 count LCD display (15mm display size) w/ automatic polarity indication and white backlight
- Continuity and diode test
- DC voltage ranges: 0.2 to 1000V
- AC voltage ranges: 0.2 to 700V
- DC current ranges: 200µA to 10A
- AC current ranges: 200µA to 10A
- Size: 3.3"W x 1.1"D x 7.3"H • Weight: 1.4 lbs.



**Includes:** 9V battery, test leads, remote box for cable testing, and users manual

Part No.	Mfr. Part No.	1	5
1955984	DVM1000	\$69.95	\$64.95

## Kill A Watt™ Energy Consumption Meters

Measures how much energy appliances consume. Simply connect appliances to the Kill A Watt™, and it will assess how efficient they really are. Counts consumption by the Kilowatt-hour, same as your local utility. You can calculate your electrical expenses by the day, week, month, even an entire year. Also check the quality of your power by monitoring voltage, line frequency and power factor.



- Forecast your costs • Max. power: 1875VA
- Displays volts, amps, watts and Hz • 0.2% accuracy
- Max. current: 15A • Large LCD display
- Operating voltage: 115VAC

2075954: Displays usage in dollars

Part No.	Mfr. Part No.	Measures	1	5
2075946	P4400	8	\$22.49	\$19.95
2075954	P4460EZ	10	36.95	33.95

\* Digital Multimeters — Enter Web Code HBK

**NEW**  
MARKED IN PINK

SAVE \$35



## 2000-Count Multimeters

- Resolution: 100µV max.
- DC voltage ranges: 200mV – 1000V
- Size: 7.5"W x 9.6"D x 2.5"H
- Weight: 2.6 lbs.



203801: 3 1/2-Digit - 2A

- DC/AC current ranges: 20µA – 2A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS

**FLUKE**

**Limited Supply - Great Price!**

160830: 3 1/2-Digit - 10A

- DC/AC current ranges: 20µA – 10A
- AC voltage ranges: 200mV – 700V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2µS – 200nS

421542: 3 1/2-Digit - 2A

- DC/AC current ranges: 200µA – 2A
- AC voltage ranges: 200mV – 750V
- Resistance ranges: 200Ω – 20MΩ
- Conductance ranges: 2mS – 200nS
- Frequency ranges: 20Hz – 50kHz

◆ Refurbished = Backed by Jameco

Part No.	Mfr. Part No.	1	5
160830	8010A◆	\$199.95	\$189.95
203801	8012A◆	199.95	189.95
421542	8050A◆	219.95	209.95

## 4000-Count True-RMS Benchtop Multimeter with RS-232

- 9 functions, 32 ranges
- 3¼-digit backlit LCD display with bargraph
- Auto/manual ranging
- True RMS AC volts and amps
- Resolution: 100µV maximum
- DC voltage ranges: 400mV – 1000V (0.3% accuracy)
- AC voltage ranges: 4V – 750V
- DC/AC current ranges: 4mA – 10A
- Resistance ranges: 400Ω – 40MΩ
- Capacitance ranges: 4nF – 40µF
- Frequency ranges: 100Hz – 600kHz
- Diode and continuity test
- Min., max., and relative hold function
- Delay hold mode
- Input voltage: 9V battery or 90-132VAC/198-264VAC @ 50-60Hz • Weight: 3.3 lbs.
- Size: 9.0"W x 9.4"D x 3.3"H • Two-year warranty



**Protek**

**Includes:** Manual, test leads, power adapter, 9V battery, RS-232 cable & software (98/ME/2000/XP compatible)

Part No.	Mfr. Part No.	1	5
230586	B940	\$179.95	\$169.95

## 100MHz Analog Oscilloscope

- 2-channel dual trace
- Auto focusing according to intensity
- Delay line
- Weight: 22.8 lbs.
- Two-year warranty
- Size: 16.9"L x 12.6"W x 5.5"H



**EZ DIGITAL**

**Includes:** Two (X1/X10) 100MHz probes, power cord, and operations manual

Part No.	Mfr. Part No.	1	5
121179	OS5100	\$999.95	\$965.95

## 150MHz 2-Channel Digital Oscilloscope

**Color and Monochrome with RS-232/USB/Parallel Interfaces**

- Bandwidth (-3dB): 150MHz
- 15 memory settings
- Real-time sample rate: 100MS/s max on each channel; equivalent: 25GS/s
- 2 channels with 8-bit vertical resolution
- Record length 125K/CH
- Auto set vertical, horizontal, and trigger level
- Vertical sensitivity: 2mV/div – 5V/div
- Input voltage: 100-240VAC @ 50-60Hz
- Time base range: 1nS/div – 10S/div
- Color with RS-232/USB/parallel interface
- Trigger sensitivity: DC – 25MHz: 0.35div or 3.5mV; 25MHz – 150MHz: 1.5div or 10mV
- Frequency counter: 6 digits ±50ppm; AC coupled, 10Hz – 150MHz
- Size: 12.2"W x 10.0"D x 5.6"H
- Weight: 9.3 lbs. • Two-year warranty



**Includes:** BNC cable, power cord & operations manual

Part No.	Mfr. Part No.	1	5
229366	GDS-820C	\$1,299.95	\$1,199.95

## 20MHz 2-Channel Analog Oscilloscope

- 6" rectangular screen with internal graticule and scale
- Vertical deflection: 1mV/div to 1V/div (5MHz, 3dB) x 5 gain selected
- Horizontal deflection: 0.1µs/div to 2.0s/div in 1-2-5 sequence, 23 steps
- Max. input voltage: 400V (DC + AC peak)
- Input voltage: 115/230VAC w/ line voltage selector
- ADD function measures sum of two signals
- Size: 12.8"W x 15.7"D x 5.2"H • Weight: 16.8 lbs.



**Protek**

**Includes:** Two (X1/X10) test probes, power cord and manual

Part No.	Mfr. Part No.	1	5
685311	SK0200	\$429.95	\$399.95

## 20MHz Dual Trace Oscilloscope with Alt-Mag

- 3.15" x 3.94" CRT with internal graticule & scale
- Vertical amplifier: 5mV/DIV to 5V/DIV in 10 steps (1-2-5 sequence)
- Horizontal sweep: 200ns/DIV to 0.5s/DIV in 20 steps (1-2-5 sequence)
- External trigger input: impedance – 1MΩ ±5% + 20pF capacitance; maximum input voltage – 160V (DC or AC peak)
- Z axis modulation: 5Vp-p sensitivity; maximum input voltage – 50V or ACp-p
- Input voltage: 120VAC or 220VAC @ 50/60Hz
- Size: 12.5"W x 15.75"D x 5.1"H • Weight: 16 lbs.



**Protek**

Part No.	Mfr. Part No.	1	5
1536801	PROTEK 6020R	\$368.95	\$349.95

## 5MHz Handheld Digital Oscilloscope with True-RMS Multimeter

- Record length: 512 single shot, 256 all other functions
- Sample mode: single shot, roll, normal
- Vertical sensitivity: 50mV max.
- Input volt.: 600VDC or AC<sub>RMS</sub> max.
- Input impedance: 1MΩ
- Sampling time: 25MS/s dual ch.; 50MS/s single ch.
- RS-232 PC interface and software for transferring waveforms and data
- Resolution: 100µV max.
- DC voltage ranges: 0.001V to 1000V
- AC (TRMS) voltage ranges: 0.001V to 750V
- Resistance ranges: 1Ω to 5MΩ
- Frequency ranges: 0.01Hz to 10MHz
- RPM ranges: 240 to 60,000 RPMs
- Size: 3.5"W x 1.8"D x 7.7"H



**EXTECH**

**Includes:** Test leads, alligator clips, Ni-MH battery pack, AC adapter/charger, RS-232 cable, holster & carrying case

Part No.	Mfr. Part No.	1	5
645651	381295	\$495.95	\$429.95

## 20MHz Handheld Oscilloscope with Digital Multimeter

- Sensitivity: 5mV to 100V/div (in 1,2,5 sequence)
- 8-bit resolution
- Input impedance: 1MΩ ±1%; 20pF ±1.3pF
- Probe attenuation: x1 and x10
- Coupling: AC/DC, HF-reject, LF-reject, noise reject
- DC voltage range: 600mV to 1000V
- AC voltage range: 6V to 600V
- Resistance range: 600Ω to 60MΩ
- Capacitance range: 60nF to 300µF
- Diode, continuity, high current and temperature test
- Size: 4.2"W x 2.2"D x 8.3"H

**Protek**



**Power Requirements:** 9VDC @ 1A power supply or 7.2V NiMH battery pack

**Includes:** Power adapter, manual, scope probe, test leads, holster, USB cable and software

Part No.	Mfr. Part No.	1	5
1918999	Protek 820	\$849.95	\$749.95

## 50MHz Digital PC-Based Oscilloscope, Spectrum Analyzer and Transient Recorder

- Sampling frequency: 1.25kHz–50MHz real-time; 1GHz repetitive
- Input impedance: 1MΩ/30pF
- Parallel port interface
- Inputs: 2 channels, 1 external trigger input
- Max. input voltage: 100V AC/DC
- Power required: 9V to 10V @ 1000mA (recommnd P/N 364576, pg 120)



**\* Web Code: RCG**

**Oscilloscope:**

- Time base: 20ns–100ms per division
  - Input sensitivity: 5mV–15V per division with auto step-function
  - Recording length: 4096 samples per channel
- Spectrum Analyzer:** • Frequency range: 0 to 25MHz
- Transient Recorder:** • Time scale: 20ms/div–2000s/div
- Max. recording time: 9.4 hours/screen
  - Max. number of samples: 100/s

**System Requirements:** IBM compatible PC, Windows® 95/98/ME, SVGA card, mouse, printer port, CD-ROM

**Includes:** 2 Test leads, parallel cable and CD-ROM

Part No.	Mfr. Part No.	1	5
200184	PCS500AU	\$349.95	\$329.95

**\* Oscilloscopes Available Online — Enter Web Code RCG**

**\* For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above**



## 50MHz 2-Channel USB PC Oscilloscope

The PCSU1000 digital storage oscilloscope uses the power of your PC to visualize electrical signals. It has a highly sensitive display resolution, down to 0.15mV, combined with a high bandwidth and a sampling frequency of up to 1GHz.



### Oscilloscope:

- Input range: 5mV to 2V/division
- Time base: 20ns to 100ms per division
- Trigger source: CH1, CH2, EXT or free run
- Real time sampling frequency: 1.25kHz to 50MHz

### Spectrum Analyzer:

- Frequency range: 1.2kHz to 25MHz
- FFT resolution: 2048 lines
- FFT input channel: CH1 or CH2

\*Web Code: RCG

### Transient Recorder:

- Timescale: 20ms/Div to 2000s/Div
- Max record time: 9.4 hour/screen
- Min./Max. number of samples: 20/s; 100/s

### System Requirements:

IBM compatible PC, Windows® 98SE or later, SVGA display card, USB port

**Includes:** PC oscilloscope, 2 x 60MHz scope probes, USB cable and CD-ROM

Part No.	Mfr. Part No.	1	5
695017	PCSU1000	\$499.95	\$459.95

## 40MHz Multifunction Oscilloscopes w/ Built-In 5MHz Function Generator

### Oscilloscope:

- 6" rectangle high resolution CRT
- Max signal input volt.: 400V (DC and AC peak)
- Input voltage: 100/120/220/240VAC @ 50-60Hz
- Size: 15.7"L x 12.8"W x 5.2"H • Weight: 26 lbs.
- Two-year manufacturer's warranty

2 in 1



**1586200:** W/ built-in 60MHz auto-detect counter

### Function Generator:

- Frequency range: 0.5Hz to 5MHz (6 ranges)
- Output waveforms: sine, triangle, square
- Output impedance: 50Ω
- Output volt: 20Vp-p (no load), 10Vp-p (w/ 50Ω load)
- See [www.Jameco.com](http://www.Jameco.com) for additional specs.

3 in 1

Part No.	Mfr. Part No.	1	5
1536886	SK0404	\$599.95	\$539.95
1586200	SK0409	799.95	739.95

## 3MHz Function Generator with Positive and Negative Pulses

- 6 waveforms: sine, square, triangle, ramp, positive pulse and negative pulse
- Input voltage: 110VAC
- Output impedance: 50Ω ±2%
- Knob selector switches for waveforms and frequency ranges
- Frequency range: 0.5Hz to 3MHz in 6 ranges via rotary switch
- Size: 10.5"W x 11.2"D x 3.9"H
- Weight: 6.6 lbs.



Part No.	Mfr. Part No.	1	5
685329	SK3000	\$209.95	\$189.95

\*Function Generators — Enter Web Code DEJ

\*Frequency Counters — Enter Web Code VCG

## 5MHz Function Generator

- Waveforms: sine, square, triangle and ramp
- 0.5 to 5MHz
- 100% DC offset
- Variable duty cycle
- Output impedance: 50Ω
- Coarse and fine tuning
- Size: 10.4"W x 11.7"D x 3.4"H
- Weight: 6.2 lbs.
- Two-year warranty



Part No.	Mfr. Part No.	1	5
160469	BK4011A	\$369.95	\$349.95

## 2MHz & 3MHz Function Generators w/ Frequency Counter

### Function Generator

- Waveforms: sine, triangle, square, TTL and CMOS output
- Output amplitude: >10Vp-p into 50Ω load
- Output impedance: 50Ω ±10%
- DC offset range: <-5V to >+5V into 50Ω load



### Frequency Counter

- Input voltage: 115/230VAC @ 50-60Hz
- Weight: 4.4 lbs.
- Two-year warranty
- 229251: • 4-digit LCD display
- Ranges: 0.2Hz to 2MHz • Size: 9.1"W x 11.0"D x 3.7"H
- 229260: • 6-digit LCD display with ramp
- Ranges: INT/EXT switch, 0.3Hz to 3MHz internal and 5Hz to 150MHz external; resolution of 10nHz to 0.1Hz • Size: 9.9"W x 11.5"D x 3.6"H

**Includes:** Power cord, operations manual and leads

Part No.	Mfr. Part No.	Description	1	5
229251	GFG-8020H	2MHz	\$249.95	\$229.95
229260	GFG-8216A	3MHz	299.95	269.95

## 2.4GHz 2-Channel Frequency Counter

- 8-digit green LED display with annunciators
- Adjustable range and gate time
- Frequency ranges: 0.01Hz to 2.4GHz
- Gate time: 100msec to 10sec
- Channel A: DC coupled – 0.01Hz to 100Hz; AC coupled – 100Hz to 50MHz, sensitivity – 80mVrms, 1MΩ impedance
- Channel B: frequency range: 50MHz to 2.4GHz, sensitivity – 50mVrms, 50Ω impedance
- Power supply: 120 to 220VAC
- Size: 10.6"W x 8.5"D x 3.9"H • Weight: 3.5 lbs.



Part No.	Mfr. Part No.	1	5
1955968	DVM13MFC2U	\$159.95	\$149.95

## More Information Online

[www.Jameco.com](http://www.Jameco.com)



## 60/100/250MHz Modular Oscilloscope Probes



22892      216047      236777

\*Web Code: RAC

- Hook and pointed probes
- Maximum input volt.: 600V
- Alligator clip ground wire
- Length: 5'
- BNC male connector
- **216047/236777:** With IC test ground cover and spring ground contact

Part No.	Bandwidth (±3dB)		Impedance (R/C)*	
	Attenuation		Attenuation	
	x1	x10	x1	x10
22892	6MHz	60MHz	1MΩ/180pF	10MΩ/22pF
216047	6MHz	100MHz	1MΩ/47pF	10MΩ/16pF
236777	6MHz	250MHz	1MΩ/47pF	10MΩ/14pF

\* with 20pF oscilloscope input

Part No.	Product No.	1	5	25
22892	LF101E	\$24.95	\$22.49	\$19.95
216047	HF-9100	29.95	26.95	23.95
236777	HP-9250	39.95	35.95	31.95

## 150/250MHz Oscilloscope Probes

Designed for use with Tektronix and Hewlett Packard oscilloscopes.

- 3 position switch: x1, ref, x10
- Bandwidth @ 3dB: 10MHz (x1); 150MHz (x10)
- Loading: 57pF, 1MΩ (x1); 15pF, 10MΩ (x10)
- Low-resistance gold contacts
- Cord length: 5'



174473

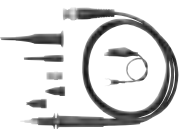


- 174473: 7-piece kit
- 212257: 25-piece kit

Part No.	Mfr. Part No.	1	5
174473	4901-02 (150MHz)	\$59.95	\$53.95
212257	4915A (250MHz)	159.95	144.95

## 100MHz Probe Set

- Complete accessory kit included
- Compensation range: 10–60pF
- 48" cable
- Bandwidth: 15/100MHz (-3dB)
- Attenuation: x1/x10
- Rise time: 23.33/3.5ns
- Input resistance: 1/10MΩ
- Capacitance: 64/10.5pF



Part No.	Mfr. Part No.	1	5
156451	4550B (100MHz)	\$59.95	\$53.95

\*More Probes Available Online — Enter Web Code RAC

## 1000 Volt Probe Kit

- Rating: 1000V 10A
- Gold tips and contacts
- Electronic deluxe probe kit includes leads with shrouded right angle banana plug, probes, sprung hook probes, alligator clips, spade lugs, extender probes, minigator leads, .025" wire wrap leads, pico hooks and pincer hooks



Part No.	Description	1	5
212249	High voltage test probe	\$79.95	\$72.95

## High Voltage Test Probe

- Maximum voltages: DC:40kV, AC: 40kV peak, 28kVrms
- Accuracy: DC:±1.5%, AC:±5%
- 10MΩ meter input impedance required
- Input/output impedance: 1,000MΩ/1.1MΩ
- Probe length: 14" • Cable length: 39"



Part No.	Product No.	Weight (lbs.)	1	5	25
132290	HV-40	0.8	\$79.95	\$73.95	\$69.95

## 17MHz Logic Probe

- Max input freq.: 17MHz
- Pulse flash time: 500ms
- Input impedance: 1MΩ
- TTL threshold: Lo = 0.8V ±0.2V, Hi = 2.3V ±0.2V
- CMOS threshold: Lo = 30% VCC, Hi = 70% VCC
- Minimum pulse width: 30ns
- Audible tones for high & low
- Power supply protection: ±20V



Part No.	Product No.	Description	1	5	25
149930	LP3500	Logic probe	\$39.95	\$35.95	\$32.95

## 17MHz Logic Pulser

- Compatible with TTL, DTL and CMOS ICs
- Pulse repetition rate: 0.5pps/400pps
- 1MΩ sync input impedance
- Pulse width output at 100mA load: 10µs
- Pulse mode output current: 10mA
- Square wave current output: 5mA
- "One shot" or continuous 5Hz pulse train



\*Web Code: MAQ

Part No.	Product No.	Description	1	5	25
24601	LP540H	Logic pulser	\$29.95	\$26.95	\$23.95

## PC Cable-Check® Pro

This powerful universal cable tester troubleshoots and maps 20 types of computer cables for opens, shorts, crosses, and good connections. Tests any combination of D-sub 9-pin, D-sub 15-pin, D-sub 25-pin, Centronics 36-pin printer, USB-A and USB-B, Mini USB, PS/2, RJ-11, RJ-45, BNC female-female cables and Firewire.



- Auto power off, auto and manual scan
- Includes: 9V battery

Paladin Tools®

Part No.	Mfr. Part No.	Description	1	5	25
652480	1577	LED indicators	\$185.95	\$169.95	\$159.95

## Single & Multiple Output Benchtop Power Supplies

\*Web Code: SAX



### Single Output Benchtop Power Supplies • Voltage and current adjustable

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Displays (Digits)	Input Voltage (VAC)	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing	
											1	5
301920	Mastech	HY1503C	15/3	45	2-Analog	115/230 ±10%	Y	N	3.8 x 6.3 x 9.1	9	\$99.95	\$89.95
175265	Various	DPS150A	15/10	150	2-Analog	110 @ 60Hz	Y	Y	6.2 x 4.0 x 5.7	12	149.95	129.95
175257	Various	SPS250A	15/15	225	2-Analog	110/220 @ 47-63Hz	Y	Y	6.2 x 4.0 x 5.6	3.8	149.95	129.95
681221	Extech	382202	18/3	54	2-Digital LCD (4)	120 @ 60 Hz	Y	Y	9.4 x 6.1 x 4.3	6.6	139.95	129.95
645600	Extech	382200	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	9.4 x 6.1 x 4.3	4.4	129.95	119.95
301971	Lascar	PSU130	30/1	30	2-Digital LCD (4)	100/240 @ 47-63Hz	Y	Y	5.5 x 1.6 x 5.2	1.2	89.95	84.95
301866	Mastech	HY3003D	30/3	90	2-Digital LCD (4)	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	10	159.95	135.95
207618	Mastech	HY3005C	30/5	150	2-Analog	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	14	159.95	135.95
301911	Mastech	HY3005D	30/5	150	2-Digital LCD (4)	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	13	199.95	179.95
207626	Mastech	HY3010C	30/10	300	2-Analog	115/230 ±10%	Y	N	10.4 x 6.5 x 14.4	31	299.95	269.95
207635	Mastech	HY3010A	30/10	300	2-Digital LED (4)	115/230 ±10%	Y	N	10.4 x 6.5 x 14.4	31	319.95	289.95
207686	Mastech	HY3020A	30/20	600	2-Digital LED (4)	115/230 ±10%	Y	N	10.4 x 6.5 x 14.4	42	499.95	449.95
1939626	Extech	382290	30/30	900	2-Digital LED (4)	110-240 @ 50-60Hz	Y	Y	9.8 x 3.8 x 13.4	13.2	749.95	699.95
207694	Mastech	HY5002A	50/2	100	2-Digital LED (4)	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	13	179.95	159.95
163723	Various	DPS-3050	50/3	150	2-Analog	110 @ 60Hz	Y	Y	4.8 x 7.5 x 9.0	12.3	129.95	115.95
207706	Mastech	HY5003	50/3	150	2-Digital LED (4)	115/230 ±10%	Y	N	5.4 x 6.2 x 11.5	13	199.95	179.95
207600	Mastech	HY5005	50/5	250	2-Digital LED (4)	115/230 ±10%	Y	N	10.4 x 6.5 x 14.4	17	279.95	249.95
175249	Various	DPS5050	50/5	250	2-Analog	110 @ 50-60Hz	Y	Y	7.7 x 6.7 x 4.9	13.8	179.95	159.95



### Multiple Output Benchtop Power Supplies • Voltage and current adjustable

Part No.	Mfr.	Mfr. Part No.	Voltage (VDC)/ Current (A)	Power (W)	Input Voltage	Displays	Short Circuit Protection	Overload Protection	Size (W" x H" x D")	Weight (lbs.)	Pricing	
											1	5
211722	Mastech	HY3002-2A	0-30/2; 0-30/2	120	115/230 ±10%	2-Digital LED	Y	N	10.4 x 6.5 x 14.4	23	\$219.95	\$199.95
211705	Mastech	HY3002D-2	0-30/2; 0-30/2	120	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	23	239.95	219.95
211693	Mastech	HY3003D-2A	0-30/3; 0-30/3	180	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	28	299.95	269.95
211731	Mastech	HY3003-2A	0-30/3; 0-30/3	180	115/230 ±10%	2-Digital LED	Y	N	10.4 x 6.5 x 14.4	28	299.95	269.95
301962	Mastech	HY5003-2	0-50/3; 0-50/3	300	115/230 ±10%	2-Digital LED	Y	N	10.4 x 6.5 x 14.4	26	299.95	269.95
301947	Mastech	HY3005D-2A	0-30/5; 0-30/5	300	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	26.5	299.95	269.95
211713	Mastech	HY3003-3	0-30/3; 0-30/3; 5/3	300	115/230 ±10%	2-Digital LED	Y	N	10.4 x 6.5 x 14.4	29	299.95	269.95
211684	Mastech	HY3003D-3	0-30/3; 0-30/3; 5/3	195	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	29	299.95	269.95
301955	Mastech	HY3005D-3A	0-30/5; 0-30/5; 5/3	315	115/230 ±10%	4-Digital LCD	Y	N	10.4 x 6.5 x 14.4	29	379.95	339.95
301938	Mastech	HY3005	0-30/5; 0-30/5; 5/3	315	115/230 ±10%	2-Digital LED	Y	N	10.5 x 6.5 x 14.3	10	199.95	179.95
197991	Extech	382213	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60 Hz	2-Digital LCD (3)	Y	Y	6 x 5.6 x 9.5	11	199.95	179.95
197982	Extech	382203	0-30/3; 5/0.5; 12/0.5	98.5	110/120 @ 50-60 Hz	2-Analog	Y	Y	6 x 5.6 x 9.5	11	169.95	159.95
1939618	Extech	382270	0-30/5; 0-30/5; 3-6/3; 8-15/1	334.5	110/120 @ 50-60 Hz*	4-Digital LED (4)	Y	Y	10.2 x 6.3 x 14.5	26.5	449.95	429.95

\* Selectable

\* For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above

## 13.8VDC Precision Regulated Power Supplies

- Heavy duty 5'8" 3-prong power cord
- Short-circuit protected
- Output mating terminals: see pg 126 for cigarette plugs & pg 155 for banana terminal plugs
- Illuminated rocker switch
- Fuse protected

\*Web Code: YEH

1918745  
Cigarette plug



136581  
Banana terminal



138668  
Banana terminal (rear)



Part No.	Manufacturer	Mfr. Part No.	Power (W)	Output Volts@Curr.	Input Voltage	Output Terminals	Size (L" x W" x H")	Wt. (lbs.)	1	5	25
1918745	Samlex	SPS-1204UL	46.2	13.8VDC @ 3.5A	120VAC @ 60Hz	Cigarette plug / terminals	5.2 x 4.0 x 2.0	2.0	\$39.95	\$35.95	\$32.95
136581	Samlex	RPS1207#	96.6	13.8VDC @ 7.0A	115VAC @ 60Hz	Banana terminals	8.7 x 5.7 x 3.6	8.5	69.95	59.95	54.95
138668	Various	38-381A	138.0	13.8VDC @ 10A	115VAC @ 60Hz	Banana terminals (rear)	7.0 x 6.6 x 4.3	10.0	59.95	53.95	48.95
138676	Various	52-192012R	276.0	13.8VDC @ 20A	115VAC @ 60Hz	Banana terminals	10.0 x 7.8 x 4.4	15.9	109.95	94.95	84.95

# P/N 136581 includes overheating protection

## DigiView 100MHz Logic Analyzer USB Interface

Professional quality 18-channel, 100MHz logic analyzer with high portability.

- 18-channels, 100MHz
- USB interface and power source for portability
- Real time hardware compression
- Compression ratio up to 256,000:1
- Trigger on rising, falling, or transition of any channel
- Pre-trigger and post-trigger data capture
- Captures up to 5 minutes of data @ 10ns resolution



Part No.	Product No.	1	5
256866	DVI-100	\$499.95	\$469.95

## 80-Watt Switching Mode DC Power Supply

### 3-in-1 DC Power Supply

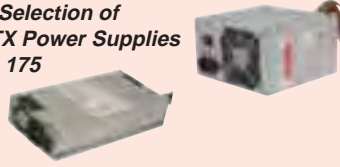
- Input voltage: 90-264VAC @ 47-63Hz
- Constant voltage and current
- Basic accuracy: ±1%
- Ripple and noise: <30mVp-p
- Line regulation: <4mV
- Load regulation: <20mV
- Dual 4-digit LED display
- 3 ranges: 0 - 16.4V @ 0-5.1A; 0 - 27.6V @ 0 - 3.1A; 0 - 36.8V @ 0 - 2.3A
- Remote sensing for accurate applied voltage at load point
- Size: 13"H x 5"W x 2.1"D
- Front and rear output terminals
- Weight: 4.2 lbs.



Part No.	Mfr. Part No.	1	5
1939600	382260	\$279.95	\$239.95

\*Benchtop Power Supplies — Enter Web Code SAX

For our Selection of AT & ATX Power Supplies on page 175



## 108-Watt Desktop Power Supply

- Load reg.: ±2%
- Input voltage: 88 132VAC/176-264VAC @ 47-63Hz (switch selectable)
- Line regulation: ±5%
- Efficiency (typical): 81%
- Ripple and noise max.: 120mVp-p
- Vol. adjustment range: 12VDC to 15VDC
- Front panel on/off switch and 3 color LED loading indicator
  - Size: 5.9"W x 5.5"D x 3.3"H
- Short-circuit/overload/ overvoltage/overtemperature protection
  - Weight: 3.3 lbs.
- Back panel 3-prong AC receptacle and banana plugs



Part No.	Mfr. Part No.	1	5
673230	ESP-120-13.5R	\$59.95	\$53.95

## 90-Watt Digital DC Power Supply

- 30V @ 3A
- Input voltage: 110/220VAC @ 50-60Hz
- Resolution: 1% ±1 digit accuracy
- Constant volt. and current operation
- Size: 5.1"W x 10.1"D x 5.9"H



Part No.	Product No.	1	5
489184	DRP-303D	\$199.95	\$189.95

## ATX Power Supply Tester

- LED indicators for ATX power supply outputs to indicate pass or fail
- Tests +3.3V, +5V, +12V, +5VSB, -5V, -12V and PG outputs
- 20-pin ATX connector on one side of the tester
- 4-pin HDD connector, floppy drive connector, and P4 connector on the other side of the tester



Part No.	Product No.	1	5
1928450	PST20	\$19.95	\$17.95

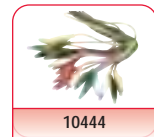
## Test Leads and Cables

NEW MARKED IN PINK

\*Web Code TLC



Part No.	Manufacturer	Product No.	Description	Size (L")	1	10	25
159871	Pomona	2249-C-36R	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	36	\$14.95	\$14.49	\$13.95
159880	Pomona	2249-C-60R	BNC male to male cable, RG58C/U, 50Ω, 20 AWG, black	60	18.95	17.95	16.95
2097141	Pomona	2249-E-36R	BNC male to male cable, RG59B/U, 75Ω, 23 AWG, black	36	16.95	15.95	14.95
2097125	Pomona	2249-K-36R	BNC male to male cable, RG174/U, 50Ω, 26 AWG, black	36	22.95	21.95	20.49
176971	Pomona	4532-C-36R	BNC M to Mini alligator clips w/strain relief, RG58C/U, 50Ω, 20AWG, blk	36	18.95	17.95	16.95
11384	BenchPro	GCA26-R	BNC male to Alligator clip, RG58/U, black	23	4.65	3.95	2.95
11464	BenchPro	05-A-078-R	BNC male to Mini-clip test lead, RG174A/U, black	39	3.95	3.59	3.29
11422	BenchPro	05-A-081-R	BNC male to Micro-clip test lead, RG174A/U, black	39	3.75	3.19	2.59
2097150	Pomona	5187-C-36R	BNC male to MiniGrabber test leads, RG58C/U 50Ω, 20 AWG, black	36	18.95	17.95	16.95
176954	Pomona	5187-K-36R	BNC male to MiniGrabber test leads, RG174/U 50Ω, 26 AWG, black	36	24.95	23.95	22.95
256832	BenchPro	CBB-069R	BNC female to pigtail, 20 AWG, 2 wire: 1 black 1 red	7	5.49	4.95	4.49
2097555	BenchPro	CBB-070R	BNC male to pigtail, 20 AWG, 2 wire 1 black 1 red	9	5.49	4.95	4.49
1945962	Various	TP-1	Protected probes w/ rt. angle banana screw-on alligator clips, 1 blk 1 red	40	7.95	6.95	6.25
212222	Probe Master	8043S	Softie test probe leads (w/10 pcs interchangeable tips) 18AWG, 1 blk 1 red	39	26.95	25.95	24.95
174625	Probe Master	8150	Micro-tip test probe leads rt. angle (w/10 plunger type tips), 1 blk 1 red	39	36.95	33.95	31.95
168516	BenchPro	GA-5010	Universal test lead kit w/ 12 interchangeable tips, 1 black 1 red	36	8.95	6.95	5.95
77738	BenchPro	GF19-R	Protected banana style multimeter test leads, 1 black 1 red	40	5.95	5.49	4.95
77746	BenchPro	FC-15B-R	Standard banana style multimeter test probes, 1 black 1 red	42	7.59	6.95	6.25
155951	Pomona	5519AR	Banana plug to rt. angle probe, insulated leads, 18 AWG 1 blk 1 red	48	13.95	12.95	11.95
10444	BenchPro	GAL01	Alligator clip test leads, 24 AWG (19/36) 10-pc. assorted colors	15	4.49	3.95	3.49
159901	Pomona	B-24-02R	Stackable banana patch cords, 18 AWG, 1 black 1 red	24	9.95	8.95	8.29



Test Leads & Cables continued on next page

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.





## Test Leads and Cables (Continued)

Part No.	Manufacturer	Product No.	Description	Size (L")	* Web Code TLC		
					1	10	25
159919	Pomona	B-36-02-R	Stackable banana patch cords, 18 AWG, 1 blk 1 red	36	\$10.95	\$9.95	\$8.95
77842	BenchPro	KLN-4-25/H-R	Stackable banana patch cords, 18 AWG, 2 ea. (blk,red,blue,white,yellow)	9.8	23.95	20.95	19.95
107423	BenchPro	GCA340-R	Stackable double banana plug to alligator clip test leads, 1 blk, 1 red	36	3.95	3.59	3.19
159899	Pomona	3782-36-02-R	Mini-clip w/ stackable banana test leads, 20 AWG, 1 blk 1 red	36	10.95	9.95	9.49
21857	BenchPro	05-A-082-R	Mini-clip to stackable banana test leads, black	39	3.95	3.49	2.95
21865	BenchPro	05-A-079-R	Mini-clip to stackable banana test leads, red	39	3.95	3.49	2.95
135299	BenchPro	SF-207A-R	Mini-clip test leads, 26 AWG, 5 sets (blue, black, yellow, red, green)	14	10.95	9.95	8.95
571188	Pomona	3782-60-0	MiniGrabber™ test clip to stacking banana plug	60	5.95	5.49	4.95
156495	Pomona	5523-R	MiniGrabber™ test clip patch cord, 20 AWG 10-pc. assorted colors	24	39.95	37.95	36.95
155985	Pomona	2708B-R	9 slot test lead holder, accepts RG213 & RG214 wire sizes, (blue)	11	11.95	10.95	10.49
155977	Pomona	4408-R	10 slot test lead holder, accepts RG59 & RG108 wire sizes, (black)	11	9.95	9.49	8.95
155969	Pomona	1508-R	14 slot test lead holder, accepts RG58 & RG142 wire sizes, (orange)	11	11.49	10.95	10.49



## Test Clips, Plugs and Posts

NEW MARKED IN PINK

\* Web Code TLC



Part No.	Manufacturer	Product No.	Description	Size (ins.)	* Order in multiples of 10		
					1	10	100
71240	BenchPro	GIP-003-R	Binding post, screw type, chassis mount 1 black, 1 red	1.0 L x .50 Dia.	\$1.09	\$ .99	\$ .89
77691	BenchPro	GIP-001-R	Binding post, screw type, chassis mount 1 black, 1 red	1.8 L x .50 Dia.	1.59	1.45	1.29
2097264	Pomona	4995-0-R	Binding post, spring loaded, panel mount, black	2.0 L x .50 Dia.	20.95	19.95	18.95
2097272	Pomona	4995-2-R	Binding post, spring loaded, panel mount, red	2.0 L x .50 Dia.	20.95	19.95	18.95
2097192	Pomona	5165-0-R	Shorting bar, insulated double banana plug w/ binding post, blk	1.78 L x .48 Dia	12.95	11.95	10.95
1582188	Keystone	6092-R	Banana jack, chassis mount, 0.182" solder tab, black	.937 L x .433 Dia.	1.29	1.15	1.09
1582170	Keystone	6091-R	Banana jack, chassis mount, 0.182" solder tab, red	.937 L x .433 Dia.	1.29	1.15	1.09
256779	BenchPro	R1-17-BLK-R	Panel mount tip jack; 1/4"-32 thread, black (10 pc. pkg)	.988 L x .29 Dia.	7.95	6.95	5.95
263864	BenchPro	R1-17-RED-R	Panel mount tip jack; 1/4"-32 thread, red (10 pc. pkg)	.988 L x .29 Dia.	7.95	6.95	5.95
125197	BenchPro	GBRR2-R	Screw mount double binding/banana post, black/red	1.6 L x 1.4 W	3.95	3.49	2.95
72195	BenchPro	GBP205-R	Set screw banana plug, 1 black, 1 red	1.6 L x .40 Dia.	1.59	1.45	1.25
137526	BenchPro	HP-2234P-R	Set screw banana plug, 1 black, 1 red	2.3 L x .30 Dia.	2.99	2.49	1.99
159855	Pomona	1325-02-R	Solderless stackable banana plug w/ set screw, 1 black, 1 red	1.55 L x .44 Dia.	3.19	2.95	2.75
571145	Pomona	1325-2-R	Solderless stackable banana plug w/ set screw, red (set of 10)	1.55 L x .17 Dia.	15.95	14.95	13.95
159863	Pomona	1825-02-R	Solderless stackable banana plug w/ safety collar, 1 black, 1 red	4.59 L x .39 Dia.	3.19	2.95	2.75
125210	BenchPro	GBRR4-BLK-R	Solderless stackable double banana plug, w/ wire guide, black	1.59 L x 1.20 W	2.39	2.19	1.95
125218	BenchPro	GBRR4-RED-R	Solderless stackable double banana plug, w/ wire guide, red	1.59 L x 1.20 W	2.39	2.19	1.95
571268	Pomona	MDP-2	Solderless stackable double banana plug, w/ wire guide, red	1.55 L x 1.13 W	2.95	2.79	2.59
159927	Pomona	MDP-02-R	Solderless stackable dbl banana plug, w/ wire guide, red (set of 2)	1.55 L x 1.18 W	5.49	5.29	4.95
11440	BenchPro	03-701A-R	BNC female to standard double banana plug, black	2.03 L x 1.7 W	4.95	4.49	3.95
125225	BenchPro	GB2BR2	BNC male to standard double banana plug, black	2.21 L x 1.8 W	5.95	5.39	4.95
125233	BenchPro	GB1BN2	BNC female to double binding/banana posts, black	2.14 L x 1.8 W	4.95	4.45	3.95
99355	BenchPro	GB2BN2-R	BNC male to double binding/banana posts, black	2.35 L x 1.7 W	4.95	4.45	3.95
114810	BenchPro	G2P004-R	Micro test clip, 1 red, 1 black	1.7 L	1.59	1.45	1.29
153163	BenchPro	SF-207-BL-R	Micro test clip, blue	1.7 L	.95	.85	.75
114818	BenchPro	G2P002-R	Mini test clip, 1 black, 1 red	3.5 L	1.95	1.65	1.35
684502	Pomona	6311	SMD micro grabber test clip, 8mm tip, 1 green 1 yellow	1.5 L x .02 W	89.95	84.95	79.95
684545	Pomona	6313	SMD micro grabber test clip, 2mm tip, 1 green 1 yellow	1.5 L x .02 W	89.95	84.95	79.95
248921	BenchPro	SF101CP-R	Mini alligator clip, solder/crimp (set of 2)	1.2 L x .30 W	.39	.36	.33
248939	BenchPro	SF-103CP-R	Mini alligator clip, solder/crimp (set of 2)	1.6 L x 0.3 Dia.	.35	.29	.25
256525	BenchPro	SF105B-R	Alligator clip, barrel/screw, 2" (set of 2)	2.0 L x .20 Dia.	.55	.49	.45
70991	BenchPro	GIP006-R	Insulated alligator clips, 1 black 1 red	2.3 L x .50 W	.55	.49	.39
248962	BenchPro	SF-103SV-BK	Black insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.55	.49	.45
248972	Various	SF103SV-RD-R	Red insulator sleeve for PNs 248939 & 256525 (set of 2)	2.1 L x .20 Dia.	.35	.29	.25
1581986	Keystone	5001-R	Looped color coded test point, mini, black	.3 L x .04 Dia.	.29	.25	.19
1581994	Keystone	5002-R	Looped color coded test point, mini, white	.3 L x .04 Dia.	*	.19	.15
1582006	Keystone	5004-R	Looped color coded test point, mini, yellow	.3 L x .04 Dia.	*	.19	.15
1582065	Keystone	5012-R	Looped color coded test point, white	.45 L x .063 Dia.	.29	.25	.19



\* For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above



## JAMECO BenchPro 12-Piece Lightweight Computer-Service Tool Kit

- Kit includes:
  - 2 nut drivers: 3/16", 1/4"
  - 3-claw parts holder
  - 1-pc hex key wrench
  - IC extractor
  - 4-pc screwdriver set
  - Tweezers
  - Clear components tube holder
- Size: 8.5"L x 6.0"W x 1.5"H • Weight: 1.1 lbs.



Part No.	Description	1	5	25
167206	12-piece tool kit .....	\$15.95	\$13.95	\$11.95

## 26-Piece SAE Hobby Tool Set

- 4-1/2" long nose pliers
- 4-1/2" diagonal cutting pliers
- #1 & #2 Phillips bits
- #1 & #2 pozi bits
- 3/16" & 1/4" slotted bits
- Hex to 1/4" driver adapter
- T-10, T-15, and T-20 Torx bits
- Driver handle • Compact carrying case
- 3" extension bar for 1/4" drive • Tweezers
- 3 slotted and 3 screw driver precision set
- 3/16", 1/4", 11/32" and 3/8" sockets for 1/4" drive
- Size: 12.0"L x 9.0"W x 2.0"H • Weight: 1.5 lbs.



Part No.	Description	1	5	25
170069	26-pc. SAE tool set .....	\$17.95	\$15.95	\$12.95

## JAMECO BenchPro 40-Piece Electronic Tech Tool Kit

- Kit includes:
  - Wire cutters/ stripper
  - Adapter bit for sockets
  - Pocket clip screwdriver
  - 10-pc screwdriver set
  - T10-T25 reversible
  - Torx screwdriver bits
  - Potentiometer alignment tools
  - 3/16"-1/2" S.A.E. nut driver sockets
  - 6mm-12mm metric nut driver sockets
  - Slotted and Phillips screwdriver bits
  - Extra long 3-claw parts holder
  - IC inserter with pin straightener
  - IC extractor
- Size: 9.5"L x 6.8"W x 1.4"H • Weight: 1.7 lbs.



Part No.	Description	1	5	25
119183	40-piece tool kit .....	\$21.95	\$19.95	\$17.95

## JAMECO BenchPro 51-Piece Tech Tool Kit

- Kit includes:
  - Storage box
  - 4 pliers
  - Tweezers
  - 7-piece hex key set
  - Scissors
  - PVC insulated tape
  - Multimeter
  - 10-piece screwdriver set
  - Utility knife (3 blades)
  - 3-piece soldering aid kit
  - Desoldering pump
  - 6-piece electronic screwdriver set
  - Soldering iron with stand and sponge
  - Case features removable pallets, a combination lock and a cushioned black plastic handle
  - Size: 12.5"L x 17.5"W x 3.5"H
  - Weight: 10.4 lbs.



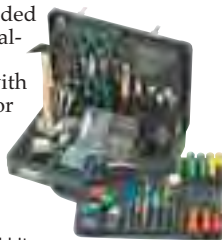
Part No.	Description	1	5
26681	51-piece tool kit .....	\$99.95	\$89.95

\*For Tool Kits — Enter Web Code CAA

## JAMECO BenchPro 52-Piece Master Electronics Tool Kit

Simply every tool needed for field repair or installation. All in a hand-some lockable case, with room for spare parts or special equipment.

- Kit includes:
  - 7 pliers
  - Storage box
  - Wrench
  - 3-piece soldering aid kit
  - Soldering iron with stand and sponge
  - 10-piece screwdriver set
  - Brush
  - 6-piece screwdriver set
  - Desolder pump
  - Testing screwdriver
  - IC extractor
  - 7-piece hex set
  - 6-piece wrench set
  - PVC insulated tape
  - Solder core
  - Heat sink
  - Measuring tape
  - Carrying case has two removable pallets, adjustable compartments, and combination locks
  - Size: 18.0"W x 13.0"D x 4.0"H • Weight: 16.0 lbs.



Part No.	Description	1	5
218245	52-piece electronic tool kit ....	\$129.95	\$115.95

## JAMECO BenchPro 69-Piece Tech Service Tool Kit

- Kit includes:
  - Storage box
  - 7 pliers
  - Tweezers
  - Spring hook
  - 3-piece soldering aid kit
  - Desoldering pump
  - 3-piece alignment tool set
  - Diagonal cutter
  - Soldering iron
  - Forceps
  - 9-piece screwdriver set
  - Wire stripper
  - 5-piece file set
  - Flashlight
  - 3-prong holder
  - PVC insulated tape
  - Heat sink
  - Measuring tape
  - 6-piece electronic screwdriver set
  - 40-piece socket & screwdriver set
  - 10-piece electronic wrench set
  - Size: 18.5"L x 13.8"W x 6.7"H • Weight: 22.8 lbs.



Part No.	Description	1	5
149024	69-piece tool kit .....	\$299.95	\$269.95

## Aluminum Tool Cases

Made of lightweight aluminum, these tool cases are designed to take rough field use.

- Size: 19.0"L x 14.0"W x 6.0"
- 261877 Includes: Tool pallet, egg carton foam lid and 2.5" thick pre-cut foam bottom
- 261884 Includes: Single inside panel and adjustable compartments



Part No.	Description	1	5
261877	Tool/equipment case .....	\$44.95	\$39.95
261884	Tool case .....	29.95	26.95

\*Web Code: ABR

## JAMECO BenchPro 100-Piece Professional Electronics Tool Kit

- Kit includes:
  - Soldering iron
  - 12 screwdrivers
  - 7-piece hex key set
  - Extractor
  - 4 Pliers
  - Adjustable wrench
  - Crimper/Stripper
  - 6-piece screwdriver set
  - 3-piece soldering aid kit
  - Desoldering pump
  - Multimeter
  - Tweezers
  - 5-piece file set
  - 10-piece wrench set
  - Voltage tester
  - 2 bottles cleaning liquid
  - Blade cutters
  - Cordless screwdriver kit (bits included)
  - Aluminum case features removable pallets, surface-type locks, and black plastic handle
  - Size: 18.0"L x 14.0"W x 6.0"H • Weight: 15.5 lbs.



Part No.	Description	1	5
242851	100-piece tool kit .....	\$199.95	\$159.95

## R<sup>2</sup> RapidRench Adjustable Ratcheting Socket Wrench

- Fits hundreds of SAE and metric fasteners
- Tighten or loosen with a flip of a switch
- Dial adjusts jaws to the exact size of the fastener
- Jaw capacity: 1/4" to 7/8" (6.35mm to 22.2mm)
- Rubberized comfort grip for extra control



Part No.	Mfr. Part No.	1	5
1943131	FR28SWMP .....	\$28.95	\$25.95

\*Wrenches — Enter Web Code WEL

## RapidSlide Adjustable Wrench

- Slide/control button on handle for fast, easy and accurate jaw adjustment
- SAE/metric adjustment markings on head
- 1" maximum jaw opening allows each tool to work with more fastener sizes



Part No.	Mfr. Part No.	1	5
1943123	ACBNKWMP .....	\$19.95	\$17.95

## H Rotary Coax Cable Strippers

### 2 and 3 Blade

- 159119 (3 Blade): 2 settings RG58/59/62
- For cable sizes 4-10mm
- Size: 4.2"L x 1.3"W • Color: black



- 159185 (2 Blades): 4 settings RG58/59/62/174
- For cable sizes 4-12mm
- Size: 3.9"L x 0.7"W • Color: gray



Includes: Hex key wrench for adjusting blade

Part No.	Mfr. Part No.	1	5	25
159119	HT312B (3 blade) .....	\$9.95	\$9.45	\$8.95
159185	HT332D (2 blade) .....	9.95	9.45	8.95

For Our Brand NEW Electronic Starter Kit see page 150

## 5" Wire Cutter/Strippers

- Insulated handles
- Spring return
- Tempered steel cutting edge
- Size: 5.0"L x 3.0"W
- One-year warranty

**78992:** 10-30 AWG (screw adjustable)

**215889:** 10-24 AWG (dial to adjust for wire gauge)

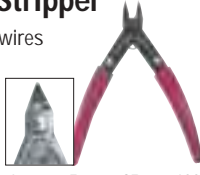


Part No.	Product No.	1	5	25	100
78992	HT108	\$4.49	\$3.95	\$3.49	\$2.95
215889	JE-2022C	3.95	3.69	3.29	2.95

**\*Cutters/Strippers — Enter Web Code BAK**

## 5" Wire Cutter/Stripper

- Strips and cuts 20-24 AWG wires
- Spring loaded for easy use
- Cutter angled at 45° for use in tight places
- Insulated grips
- Size: 5.0"L x 3.0"W



Part No.	Mfr. Part No.	1	5	25	100
159274	HT1091	\$4.95	\$4.49	\$3.95	\$3.49

## 6" Wire Cutter/Strippers

- Plier nose
- Wire size markings, in AWG and mm
- Size: 6.0"L x 2.0"W

**161226:** Premium

• 12-20 AWG stranded; 10-18 AWG solid

**161234:** Premium

• 16-26 AWG stranded; 14-24 AWG solid

**161218:** Standard

• 16-26 AWG stranded; 14-24 AWG solid

Part No.	Mfr. Part No.	Description	1	5
161226	ID45-215	Cushioned grips	\$15.95	\$14.95
161234	ID45-216	Cushioned grips	15.95	14.95
161218	ID45-121	Non-cushioned grips	14.49	12.95

## 6.6" Wire Stripper

- Wire stripper, cutter, steel wire cutter, and wire loop
- Scale: AWG and mm
- Strips and cuts wires from 20-30 AWG
- Size: 6.6"L x 2.0"W



Part No.	Mfr. Part No.	1	5	25
159291	HT5023	\$9.95	\$8.95	\$7.95

**\*Wire Strippers — Enter Web Code HAY**

## 7-in-1 Wire-Handling Tools

- Wire stripper, wire cutter, steel wire cutter, pliers and wire loop
- Solderless crimping tool
- Scale: mm and inch
- Size: 6.6"L x 3.0"W



Part No.	Mfr. Part No.	Description	1	5	25
18797	HT1041	10-18AWG	\$5.95	\$5.49	\$4.95
127862	HT1042	16-26AWG	5.95	5.49	4.95
127871	HT1043	22-30AWG	5.95	5.49	4.95

## Automatic Wire Stripper

- Spring load grip
- Size: 7.0"L x 2.5"W
- Weight: 0.8 lbs.



**Includes:** Wire stopper for desired strip length

Part No.	Description	1	5	25
175098	Strips 8-22 AWG	\$16.95	\$15.49	\$13.95

## Hand Tools for Mini-Fit™ Jr.



**304928:** Accepts wire range from 14-24 AWG

Part No.	Mfr. Part No.	Description	1	5
304928	63811-1000	Crimp tool	\$49.95	\$44.95
304936	11-03-0044	Extraction tool	19.95	18.95

## Metal Modular Connector Crimping Tool

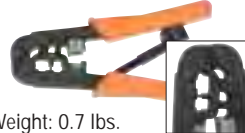
- Cable stripper/wire cutter
- Size: 8.0"L • Wt.: 1.8lbs.
- Crimps 6P and 8P plugs (6P2C, 6P4C, 6P6C, 8P2C, 8P4C, 8P6C, 8P8C)



Part No.	Description	1	5	25
114527	RJ11/RJ45	\$22.95	\$19.95	\$17.95

## Ratcheted Modular Connector Crimping Tool

- Insulated grip
- Ratcheted type
- Metal • 7.5"L
- Crimps RJ45 (8P8C) and RJ11/12 (6P6C) • Weight: 0.7 lbs.



Part No.	Description	1	5	25
159312	RJ45/11/12	\$22.95	\$19.95	\$17.95

## Modular Cut/Crimp/Strip Tools

**For RJ11 (6P) and RJ45 (8P) Modular Plugs**

- Repeatable crimp action for consistent high-quality connections

**Includes:** Cut and strip blade

**174684:** • Size: 8.0"L x 2.0"W

• Weight: 0.8 lbs.

**174676:** • Size: 8.5"L x 2.2"W

• Weight: 1.2 lbs.

**161091:** • Size: 6.0"L x 2.0"W • Weight: 0.8 lbs.



Part No.	Mfr.	Cross Ref. No.	1	5
174684	Various	TTK071	\$23.95	\$21.95
174676	Various	TTK070	25.95	23.49
161091	Ideal	ID30-496	49.95	45.95

## Modular Connector Crimping Tool Set

- 8" metal modular crimping tool
- Cuts, strips and crimps
- Crimps RJ11 and RJ45 plugs
- Carrying case: blue hard plastic, 8.0"L x 10.5"W x 2.0"H
- Weight: 2.1 lbs.

**Includes:** 90 modular plugs, 40 pcs. 4P4C, 30 pcs. 6P6C, 20 pcs. 8P8C

Part No.	Product No.	1	5
73496	HT2000B	\$75.95	\$69.95

## Hex Crimp Tools

- Use with RG-58 and RG-59 connectors with up to a 3/8" ferrule
- 261745:** 1.7mm standard crimp for crimping center conductor on BNC & TNC connectors; up to 3/8" ferrule
- 261737:** Ferrules up to 1/2"



Part No.	Description	1	5
261745	Hex crimp tool (3/8")	\$19.95	\$18.95
261737	Hex crimp tool (1/2")	19.95	18.95

## Connector Compression

Designed to compress ferrules of "F"/BNC/RCA connectors. Black oxide steel frame with interchangeable die sockets, ratchet mechanism with manual release disengages after a complete cycle securing a fully compressed ferrule. Integrated coax cutter for cutting cables to appropriate lengths.



Part No.	Description	1	5
261761	Compression multi-tool	\$39.95	\$35.95

## Non-Insulated Terminal D-Sub Crimping Tool

**14-26 AWG**

- With cutter and insulated handles
- For computer pins and sockets, D-sub 26-28 AWG wire
- For butt-insulated connectors, 22-26 AWG wire
- For telephone spade lugs, 22-26 AWG wire
- For non-insulated connectors, 20-22 AWG wire
- For non-insulated connectors, 14-18 AWG wire
- Coiled spring return • Size: 7.3"L x 1.5"W



Part No.	Mfr. Part No.	1	5	25
99443	HT202A	\$8.95	\$7.95	\$6.95

**\*Crimping Tools — Enter Web Code PAL**

## D-Sub Crimping Tool

**20-28 AWG**

- Crimps D-sub pins and sockets
- For use w/ P/Ns 43377, 43369 pg 88 and 100766, pg 80
- Size: 7.0"L x 4.0"W



Part No.	Mfr. Part No.	1	5	25
159266	HT213	\$10.95	\$9.95	\$8.95

## Ratcheted BNC Crimping Tool

- Crimps RG58, RG59, RG62, RG174 and fiber optic
- Hex sizes: 0.043", 0.068", 0.100", 0.137", 0.213", 0.255"
- All steel construction
- Size: 8.5"L x 2.5"W • Weight: 1.1 lbs.



Part No.	Mfr. Part No.	1	5	25
114535	HT-336G	\$22.95	\$19.95	\$17.95

## We're Listening to What You Need

*Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs.*

**Send feedback to [Feedback@Jameco.com](mailto:Feedback@Jameco.com).**

**\*For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above**



## Xcelite

### General Purpose Pliers and Cutters

#### Needle Nose, Diagonal Pliers and Cutters

- Cushion grips • General purpose use • Positive gripping of wire & subminiature components
- Narrow and fine tips provide increased clearance and allows use in restricted areas



#### Needle Nose Pliers

Part No.	Mfr. Part No.	Description	1	5
217891	L4	4" mini needle nose	\$17.95	\$16.49
217998	LN54G	5" thin long nose	18.95	17.49
146721	NN7776V	5" long nose flat	19.95	18.95

#### Shearcutter Pliers Set

Part No.	Mfr. Part No.	Description	1	5
152055	S2K	5.6" plier/5.2" cutter	\$16.95	\$15.95

\*Xcelite Pliers & Cutters — Enter Web Code XPC

#### Diagonal Cutters

Part No.	Mfr. Part No.	Description	1	5
217921	MS54J	4" oval head-flush	\$17.95	\$16.95
1536974	S475NJS	4" relieved head-flush	16.95	15.95
217904	MS549J	4" tapered head-flush	17.95	16.95
217867	MS545J	4" slim-line tapered-flush	16.95	15.95
146739	MS54V	4" diagonal semi-flush	16.95	15.95

#### Micro Series Wire Cutter

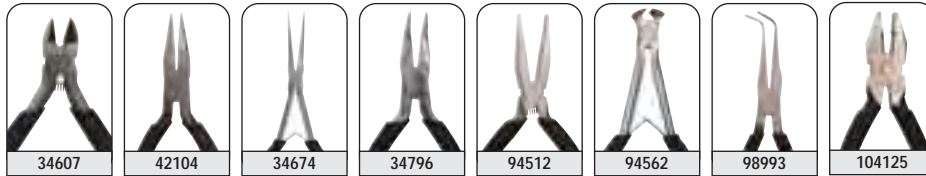
Part No.	Mfr. Part No.	Description	1	5
146712	170M	6" cutter flush	\$6.49	\$5.95

## EXIMCORP

### Pliers and Cutters

#### Diagonal, Needle Nose, Nipper, Square, Bent Nose, Sportsmen & Electrician Pliers

- General purpose for picking-up, cutting and wire forming
- Forged steel • Heat treated • Insulated grips • Blister packaged



#### Diagonal Flush Cutters

Part No.	Description	1	5	25
34622	4.5" spring loaded	\$4.95	\$4.49	\$3.95
34607	5" spring loaded	4.95	4.49	3.95
34658	5.25" heavy duty	5.49	4.95	4.49

#### Needle Oval Nose Pliers with Serrated Jaws

Part No.	Description	1	5	25
42104	5.25" standard	\$5.95	\$5.49	\$4.95

#### Needle Oval Nose Cutters with Serrated Jaws

Part No.	Description	1	5	25
34691	7.75" spring loaded	\$4.95	\$4.49	\$3.95
34712	5.25" spring loaded	5.49	4.95	4.49

#### Needle Oval Long Nose Pliers w/Serrated Jaws

Part No.	Description	1	5	25
34674	7" spring loaded	\$6.95	\$6.25	\$5.59

#### Bent Oval Nose Pliers with Serrated Jaws

Part No.	Description	1	5	25
34796	5" standard bend	\$4.95	\$4.49	\$3.95
34826	6" slim spring loaded	5.95	5.49	4.95
34851	7" standard bend	5.95	5.49	4.95

\*EXIMCORP Pliers & Cutters — Enter Web Code EXP

### Half-Round Long Nose Pliers

- Drop forged steel
- Heat treated
- Spring return action • Vinyl grips
- Length: 4.5" • Knurled jaws

Part No.	Description	1	5	25
177608	Half-round pliers	\$4.95	\$4.49	\$3.95



## The Best Warranty in the Industry

All Jameco purchases are guaranteed for a full 90 days and even longer for Jameco House Brands.

### Precision 5-Piece Stainless Steel Pliers Set



- Spring return • Insulated handles

**Includes:** One 3.5" micro cutting nippers and one each 4" micro round nose pliers, long nose pliers, flat nose pliers and bent nose pliers

Part No.	Description	Wt. (lbs.)	1	5	25
73121	5-piece set	0.6	\$17.95	\$15.95	\$13.95

### Cutting Pliers

- Side and flush cutting

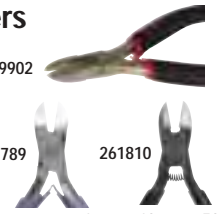
179902:

- Forged steel
- Cushion grip

261789/261810:

- Carbon steel
- Vinyl grip

Part No.	Description	1	10	50
179902	4" leaf spring	\$3.95	\$3.59	\$3.29
261789	5" leaf spring	5.95	5.49	4.95
261810	5" spring return	4.95	4.49	3.95



### 5.3" Flat and Half-Round Long Nose Pliers

- Stainless steel • Spring return
- Durable rubber handles
- 5.3" length w/ 1.4" plier nose

35474/35491: Knurled jaws

195531: Smooth jaws

Part No.	Description	1	10	50	250
35474	Flat long nose	\$4.95	\$4.49	\$3.95	\$3.49
195531	Flat long nose	5.95	5.49	4.95	4.49
35491	Half round	4.95	4.49	3.95	3.49



### Diagonal Wire Cutters

- Jaws are designed for flush cutting
- Cuts component wire up to 1.2mm thick
- 0.5" cutting blade
- 35482: 4.3" Cutter
- Durable rubber handles
- Stainless steel
- 161411: 5" Cutter
- Cuts 0.08mm fine wire
- Insulated handles

Part No.	Size	1	10	50
35482	4.3"L x 2.1"W	\$6.95	\$6.49	\$5.95
161411	5.0"L x 1.8"W	6.95	6.49	5.95



\*Web Code: HAF

### Jameco BenchPro Mini-Drill and Stand

This Mini-Drill is excellent for drilling through circuit boards and protoboards. The drill comes with an array of drilling, grinding and sanding attachments. Drill stand is designed to function like a drill press.



Part No.	Description	Wt. (lbs.)	1	5	25
26702	GTT-103A drill	0.8	\$34.95	\$31.95	\$27.95
26711	GTT-104 stand	1.8	25.95	23.95	21.95

## PC Board Drill Bits

- Shaft diameter: .125"
- Use for drilling holes in glass PC boards



Part No.	Size	Dia.	1	10	100
1919537	1/8	.125"	\$ .99	\$ .75	\$ .59
1919588	31	.120"	.99	.75	.59
1919300	32	.116"	.99	.75	.59
1919609	33	.113"	.99	.75	.59
1919553	35	.110"	.99	.75	.59
1919570	38	.102"	.99	.75	.59
1919502	45	.082"	.99	.75	.59
1919596	46	.081"	.99	.75	.59
1919561	48	.076"	.99	.75	.59
16580	59	.040"	1.75	1.49	.99
16619	75	.021"	1.75	1.49	.99

## High-Speed Steel Step Drill Bit

Drill multiple holes in thin material with the same bit, faster and easier. Each bit does the work of many drill bit sizes. You can drill holes in most materials such as plastic, metal, and wood up to 1/8" thick.



- Shank size: 3/8" • 2.4" long

Part No.	Description	1	10	50
229657	3/16" - 7/8" 13-step ...	\$14.95	\$13.49	\$11.95

\*Drill Bits — Enter Web Code NEJ

Need special orders or pricing?  
Call us at 1-800-831-4242



## 32-Piece Security Bit Set

These bits match the security fasteners commonly used in today's electronic products.

**Includes:** Torx bits: #6, #8 and #10; Tri-wing bits: #1, #2, #3 and #4; Security hex bits: 5/64", 3/32", 7/64", 1/8", 9/64", 5/32" 3/16" and 1/4"; Security Torx bits: T8, T10, T15, T20, T25, T27, T30, T35 and T40; Spanner bits: 4, 6, 8 and 10mm; Phillips bits: #1, #2, #3 and #4; and 60mm magnetic bit extension that fits 1/4" hex driver



Part No.	Description	1	10
223829	32-piece security bit set	\$10.95	\$9.95



## Ball-End, Hex Key and Screwdriver Sets

**Bondhus/Telo Products:** Inferior tools cost money when something goes wrong. The cost of removing a stripped or broken screw head from a tight location, or replacing a damaged tool exceeds the cost of purchasing a superior tool in the first place.

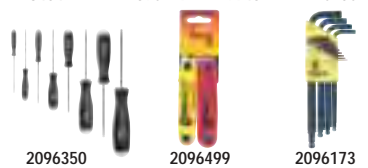
- Material: Protanium high torque steel
- Ergonomically designed anti roll handle
- Bondhus: made in USA; Telo: made in Germany
- Ball-end inserts quickly into screw head up to 250
- Delivers perfect balance between tip strength and working angle
- Life time warranty

\*Web Code: CAQ

Part No.	Mfr.	Description	1	10
34041	BenchPro	6-pc. precision screwdriver set (slotted - 3/64", 1/16", 5/64", 5/32", 1/8", 9/64")	\$2.95	\$2.59
34059	BenchPro	6-pc. precision screwdriver set (Phillips #0 - 1/16", 5/64", 3/32", #1 - 1/8", 9/64")	2.95	2.59
2096229	Telo	6-pc. screwdriver set (slotted - 9/64"; 5/32"; 7/32"; 1/4"; Phillips - #1; #2)	37.95	35.95
99451	BenchPro	6-pc. long neck screwdriver set (slotted - (Dia. x L) 3/32" x 6 5/8", 1/8" x 7 5/8", 5/32" x 9 5/8", Phillips - #00 x 6 5/8"L, #0 x 7 5/8"L, #1 x 9 5/8")	8.95	7.95
226106	BenchPro	6-pc. precision 50 mm torx screwdriver set (Torx - T5, T6, torx hex - T7, T8, T9, T10)	13.95	11.95
2096350	Bondhus	8-pc. ball-end screwdriver set (.05", 1/16", 5/64", 3/32", 7/64", 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 5/16")	21.95	19.95
2096499	Bondhus	16-pc. folding hex key set (5/64", 1/4"; 2mm to 8mm)	13.95	12.49
2096173	Bondhus	12-pc. ball-end hex key set (.05", 1/16"; 5/64"; 3/32"; 7/64"; 1/8"; 9/64"; 5/32"; 3/16"; 7/32"; 1/4"; 5/16"	12.95	11.95
261999	BenchPro	7-pc. 1000V insulated magnetic screwdriver set (slotted - 2.5mm)	15.95	14.49
2096456	Telo	7-pc. 1000V insulated screwdriver set (slotted - 3/32"; 1/8"; 9/64"; 5/32"; 7/32"; Phillips - #1; #2)	32.95	29.95
99565	BenchPro	6-pc. screwdriver & plier set (slotted - (Dia. x L) 0.09" x 7 5/8", 0.312 x 9 1/2", Phillips - #2 0.09" x 7 5/8", #0 0.12" x 9 1/2", pliers - micro nipper cutter, micro flat nose pliers)	14.95	13.49
261842	BenchPro	7-pc. SAE nut driver set w/ colored handles (sizes: 3/16", 1/4", 5/16", 11/32", 3/8", 7/16", 1/2")	6.95	5.95
226094	BenchPro	11-pc. magnetic AWL prec. screwdriver set (slotted - .9, 1.2, 1.4, 1.8, 2.4, 3 mm, Phillips - #00, #0, #1)	3.95	2.95
2096165	Bondhus	12-pc. screwdriver bit set w/ screwdriver (slotted - 1/8"; 5/32"; 7/32"; 9/32"; POZI - #1; #2; Phillips - #0; #1; #2; Torx - #15; #20)	24.95	22.95



34041 2096229 99451 226106



2096350 2096499 2096173



261999 2096456 99565 261842



226094 2096165



## Pocket Screwdriver

Phillips & Flat head

\*Web Code: CAQ

- Pen clip for pocket storage



Part No.	Description	1	10	100
127271	6" long pocket screwdriver	\$1.95	\$1.59	\$1.39

## Automatic Center-Punch Tool

Adjustable

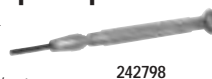
- Precision instrument
- Alloy steel point
- Knurled steel body
- Size: 5.0"L x 0.5"Dia.



Part No.	Description	1	10
160282	Center punch tool	\$5.95	\$5.49

## 30 AWG Wire Wrap/Strip Tools

Recommended for use on 0.025" (0.63mm) square posts on 0.100" (2.54mm) center grids. The first 1-1/2 loop on the modified tool has wire insulation while all loops on a regular tool have bare wires.



Part No.	Description	1	5
242801	Tool (regular)	\$19.95	\$18.95
242798	Tool (modified)	22.95	21.95
242827	Replacement tip (242801)	7.95	7.29
242819	Replacement tip (242798)	7.95	7.29
242835	Replace stripper assembly	5.95	5.49



Regular Modified



## Strip-Wrap-Unwrap Tools

- Tool tip made of tempered steel
- Spring steel cutter
- Use with 30 AWG wire on .025" square posts
- No solder necessary, see pg 57 for wire
- Wrap 1 to 2 turns of insulated portion of wire for secure connections • 4.5" long



34585

\*Web Code: BBC

Part No.	Product No.	1	5
34585	HSM30 (Modified)	\$49.95	\$44.95
236785	HSR30 (Regular)	29.95	25.95

## 1/4-Watt & 1/2-Watt Resistor & Capacitor Lead Forming Tool

- Watt size indicates appropriate package size
- Bends lead length in 0.05" increments
- Lead spacing: 1/4W: 0.4"-1.5"; 1/2W: 0.5"-1.5"
- Size: 5.4"L x 1.5"W



Part No.	Description	1	10
106884	1/4W & 1/2W	\$4.95	\$4.49

\*For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above



## Nibbling Tool

- Perfect for cutting, trimming, or notching sheet metal up to 18 AWG
- Time-saver when working on prototyping, chassis, and circuit boards
- Minimum .375" hole required • Size: 7.8"L



Part No.	Mfr. P/N	Description	1	10
18810	HT204	Nibbling tool	\$7.95	\$6.95
29331	HT204B	Replace. bit	3.95	3.55

## Deluxe Precision Knife Set

- Three different knife handles – fine work, medium and heavy duty power grip
- Size: 6.3"L x 2.8"W x 1.4"H

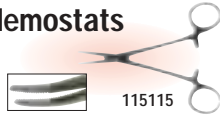


Includes: 13 types of blades

Part No.	Description	1	10	100
72768	13 blade knife set	\$8.95	\$7.95	\$6.95

## 5" Steel Hemostats

- Grade 410 A.I.S.I. stainless steel
- Three locking positions



Part No.	Cross Ref. No.	Description	1	10	100
115107	HEM01	Straight	\$3.95	\$2.95	\$2.49
115115	HEM02	Curved	3.95	2.95	2.49

## Metal Dial Calipers

Choose Metric or Inches

- For accurate measurements every time
- Measures outside, inside and depth
- Easy-to-read dial gauge
- Length: 6" (150mm)
- Materials: metal • Color: silver



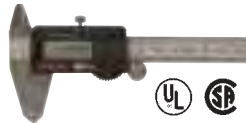
Includes: Fitted plastic storage case

Part No.	Description (min. reading)	1	5	25
116134	Metric (.02 mm)	\$25.95	\$23.95	\$21.95
116126	Inches (.001 inch)	25.95	23.95	21.95
684449	Metric/Inches	27.95	25.95	23.95

## Digital Display Caliper

Metric and Inches

- Hardened stainless steel
- Display: inches to 0.001; mm to 0.01
- Instructions for making internal, external, depth & step measurements
- Calipers measure to 6 inches/150mm
- One-year warranty



Includes: Fitted case and 1.5V silver oxide battery (replacement battery, P/N 140783, pg 146)

Part No.	Description	1	5
127482	Digital disp. caliper	\$39.95	\$36.95

\*Calipers — Enter Web Code PAQ

## IC Pin Straightener

Straighten bent pins safely and easily with Jameco's IC pin straightener.



- Straightens 8/14/16/18/20/24/28/40/42-pin ICs
- Materials: black plastic • Size: 3.3"L x 1.5"W x 0.4"H

Includes: Ground terminal

Part No.	Description	1	10	100
99363	IC straightener	\$7.95	\$6.95	\$5.95

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

## T-Handle Reamer Tool

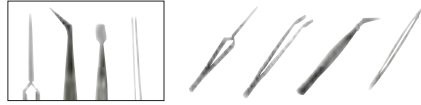
Excellent for aluminum chassis work

- For enlarging starter holes on panel mount components from 1/8" to 1/2" diameter
- T-handle for easy rotation of tool
- Handle: 3.3" long, tool: 5.3" long



Part No.	Description	1	10
151750	T-handle reamer	\$7.95	\$6.95

## 4-Piece Steel Tweezer Set



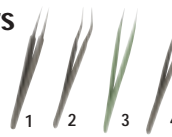
- 4 styles of stainless steel tweezers, one self-locking
- Ideal for picking up small components in hard-to-reach places

Part No.	Description	1	10	100
10735	4-piece tweezer set	\$5.95	\$5.49	\$4.95

\*Tweezer Sets — Enter Web Code FAA

## Tweezers

- 252929: Straight round tapered, fine-point tip, stainless steel
- 253092: Curved fine-point tip
- 252938: Self-closing reverse-action tweezers; medium point tip; stainless steel
- 253113: Fine-point tip, insulated, anti-static
- 252912: Straight fine-point tip



Part No.	Length	Photo	1	10	100
252929	4.75"	1	\$2.95	\$2.49	\$1.95
253092	4.6"	2	2.95	2.49	1.95
252938	4.30"	2	2.95	2.49	1.95
253113	4.75"	3	2.95	2.49	1.95
252912	4.75"	4	2.95	2.49	1.95

## 4-Pc. Conductive SMD Tweezer Set



- 4 types of tweezers: fine point, flat head for 4mm SMD chip device, flat head for 8mm SMD chip device, sharp angled tip
- Each is 4.5" long

Part No.	Description	1	10
172638	4-piece tweezer set	\$9.95	\$8.95

## Vacuum Tweezers

Pick & place small parts of all kinds: glass slides, coins, optics, SMDs, film, etc.

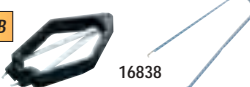
- Size: 2.9"L x 0.6"W
- One-year warranty
- Includes: 5 pads sizes 0.14" to 0.4"; 5 straight tips and 2 pieces 45° angle tips



Part No.	Description	1	5
88268	Vacuum pick & place kit	\$39.95	\$36.95

## PLCC & DIP IC Extractors

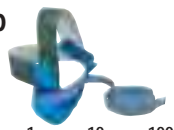
- Size: 4.0"L x 2.0"W



Part No.	Mfr. Part No.	Description	1	10	100
16766	HT103B	PLCC	\$3.95	\$3.49	\$2.95
16838	HT103A	DIP	1.65	1.49	1.25

## Anti-Static Heel Strap

- Discharges static without restricting your mobility
- Ground strap: 15.5"L



Part No.	Description	1	10	100
100328	Heel strap	\$5.95	\$5.49	\$4.95

## Anti-Static Wrist Strap

- Comfortable, adjustable black Velcro wrist strap
- The coiled grounding cord has banana plug and alligator clips
- Extended cord: 9' long



Includes: 1MΩ resistor for added safety

Part No.	Description	1	10	100
34552	Wrist strap	\$6.95	\$6.49	\$5.95

## Anti-Static Work Mats

Make your work environment safe from static discharge!

These mats are made of attractive semi-conductive vinyl that provide adequate discharging, yet will not short leads or pins.



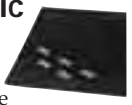
Part No.	Dimensions	Wt. (lbs.)	1	10	100
10576	11.3" x 22"	0.7	\$8.95	\$7.95	\$6.95
10584	19.5" x 23.5"	1.1	13.95	12.49	10.95
236541	23.5" x 27.5"	1.4	25.95	22.95	19.95

\*Anti-Static — Enter Web Code XAA

## Conductive Anti-Static Bags and Foam

Don't get zapped!

Protect your investment with these inexpensive bags and ensure a safe work area with our conductive anti-static foam.



Part No.	Description	1	10	100
249519	4" x 6" anti-static bags	\$.25	\$.15	\$.10
249527	5" x 7" anti-static bags	.29	.19	.12
78650	8" x 10" anti-static bags	.49	.39	.29
13864	Anti-static foam	11.95	10.95	9.95

## 22"L Anti-Static Plastic DIP IC Storage Rails & Rubber Rail Stops

- 29516: .300" rail fits 8, 14, 16, 18, 20 and 22-pin ICs
- 29524: .600" rail fits 24, 28, 36 and 40-pin ICs
- 29583: Rubber stops used to plug plastic rail ends



Part No.	Cross Ref. No.	Description	1	10	100
29516	RIC20	.300"W rail	\$.25	\$.22	\$.19
29524	RIC220	.600"W rail	.29	.25	.19
29583	RRS	Rubber stop	*.07	.07	.05

## 24" Joubert Bungee Cord

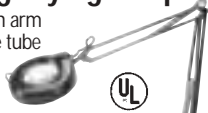
- Braided jacket cover
- 2.75" steel hook height
- 0.81" steel hook opening
- 0.16" thick PVC coated steel hook
- Blue cord with black coated hook
- Stretches easily to 48"



Part No.	Product No.	1	10	100
2081668	JBC24	\$.99	\$.89	\$.69

## JAMECO BenchPro 3X Magnifying Lamps

- 5" Dia. lens • 45" extension arm
- Supplied w/ 22-watt circuline tube
- Extra strong, all-metal mounting base with electrical outlet
- New wire clip design permits easy installation
- Metal bulb holder for extra protection • 3-diopter lens
- Power requirement: 110VAC/60Hz • Weight: 7.3 lbs.



Part No.	Description	1	5
100829	Black lamp	\$59.95	\$54.95
149981	White lamp	59.95	54.95

## JAMECO BenchPro Standard Adjustable 3X Magnifying Lamp

- 4" Diameter lens
- Maneuverable 30" arm extension
- Lamp tilts & turns in any direction
- Uses 60W incandescent bulb (not included)
- Power requirement: 110VAC/60Hz
- 3-diopter lens • Weight: 2.9 lbs.



Part No.	Description	1	5
22710	Magnifying lamp	\$26.95	\$23.59

## JAMECO BenchPro 3X, 3-Bulb Magnifying Lamp

- Three 9-watt compact fluorescent bulbs located at the side and top of the lens provide superior lighting to your workspace or job at hand. The integral spring-balance arm reduces the chance of pinched hands from springs, and provides a sleek clean look.
- Adjustable 3-diopter lens • 7" x 4.5" rectangular lens
  - 47" long arm • 2 on/off buttons
  - Color: beige • UL listed • Weight: 8.15 lbs.

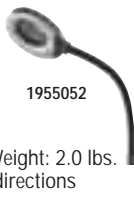


Part No.	Description	1	5
217517	Adj. magnifying lamp	\$89.95	\$84.95

## JAMECO BenchPro KLIP-ON Deluxe 3X Magnifying Lamps

Ideal for limited workspaces in home or office.

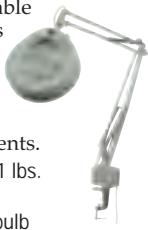
- High quality 3.5" Dia. glass lens w/ dust cover
- Heavy duty 2" spring loaded clamp
- Super bright 13 watt fluorescent bulb (6400 Kelvin) included • Weight: 2.0 lbs.
- 16" gooseneck-directs light in any directions



Part No.	Mfr. Part No.	Color	1	5
1955044	LUX250W	White	\$34.95	\$31.49
1955052	LUX250B	Black	34.95	31.49

## X-TRONIC Precision 5 Diopter Magnifying Lamp

- The arm extends to 40", is adjustable to any direction or angle, and has a 5 diopter lens. This is the perfect tool to help identify small electronic components and magnify a printed circuit board to help solder electronic components.
- 5" diameter lens • Weight: 7.1 lbs.
  - Power requirement: 110VAC/60Hz



Part No.	Description	1	5
197456	Magnifying lamp	\$99.95	\$89.95

\*Magnifying Lamps — Enter Web Code DAW

## General Purpose Illuminated 3X Magnifier

- 3.75" Dia. x 7.5"L
- Great for magnifying fine print
- 75mm diameter lens
- Light requires 2 AA batteries (not included, recommend P/N 198707, pg 146)



Part No.	Description	1	5
149542	Illuminated magnifier	\$4.95	\$4.49

## 3X Flexible Neck Magnifier

- 3.5" diameter
- 3x diopter lens
- Flexible gooseneck with workbench clamp
- Arm length: 20"
- Weight: 1.8 lbs.



Part No.	Description	1	5
239548	Flexible neck magnifier	\$10.95	9.95

## Heat Guns and Strippers

All Master products are made in the US from superior quality materials and the finest craftsmanship. Heat guns are ideally suited for drying, heating, welding, shrinking, soldering, desoldering, and many other applications where heat is required.

- 2076578: • CFM selectable • Includes 4 attachments & case
- Weight: 1.0 lb.
- 2076501: • No slip adjustable stand
- Weight: 4.0 lbs.
- 191943: • 3-pos. switch (hot/off/cool)



Part No.	Mfr.	Mfr. Part No.	Description	Watts	Heat Setting (°F)	Temp. (°F max.)	1	5
254925	BenchPro	1001A	Economical heat gun	1000	600 & 1000	1000	\$39.95	\$35.95
76865	BenchPro	G1HG1	Heat gun/stripper	1500	600 & 1100	1100	39.95	35.95
2076578	Master	EC-100K	Economical heat gun (7 & 9 CFM)	1200	500 & 1000	1000	54.95	51.95
2076501	Master	HG-501A	Industrial heat gun (23 CFM)	1680	750	750	114.95	104.95
191943	Weller	6996C	Industrial heat gun	250	750-800	800	139.95	129.95
2007062	BenchPro	1004	Tool kit for 254925	—	—	—	12.95	11.95
217816	BenchPro	HG018-AO	Heat shrink attach for 76865	—	—	—	1.95	1.69
217832	BenchPro	HG018-CO	Air spreader for 76865	—	—	—	1.95	1.69

## Glue Gun and Glue Sticks

- Adheres to PCBs, cardboard, wires, metal and cloth
- Silicon nozzle
- Electronic heating
- Trigger action
- Utilizes 100mm long gluesticks (2 sticks included) • Size: 7.3"L x 6.3"W



Part No.	Description	1	5	25
72696	Glue gun	\$7.95	\$7.29	\$6.49
78633	Glue sticks (6/pk)	2.95	2.49	1.95

## Butane Powered Mini Trigger Torch

- Adjustable gas flow up to 2500°F
- Self-igniting piezo electric ignition
- Meets child safety requirements
- Slide lock for continuous use
- 60 min. burn time



Part No.	Mfr. Part No.	1	6
2097483	MT-70	\$19.95	\$17.95
2097491	5 1/8 oz. butane	5.49	4.95

## Table-Top Micro Torch

- Flame temp. approx. 2500°F
- Self-igniting system w/ safety lock
- Wide stable base, perfect for lab use
- Safety lock to prevent unintentional ignition and for storage
- Educational lab burner applications
- Slide lock for continuous use
- 60 min. burn time



Part No.	Mfr. Part No.	1	6
2097467	MT-30	\$36.95	\$34.95
2097491	5 1/8 oz. butane	5.49	4.95

## Magna-Lite Butane Table-Top Torch

- Flame temperature: 2500°F (1300°C)
- Waterproof piezo ignition
- Adjustable flame control
- Refills in 20 seconds with standard butane gas
- Run time: 60 minutes (@ middle flame setting)
- Child-resistant ignition for safety
- Uses: brazing, soldering, heat shrink tubing, industrial maintenance



Part No.	Mfr. Part No.	1	5
1943001	ML200	\$29.95	\$26.95

## Weller Magna-Lite Butane Soldering Pencil

- Piezo electronic ignition system
- Adjustable gas flow valve controls temperature range
- Temperature range: 750°F to 900°F
- Up to 30 minutes continuous use on medium setting
- Window allows you to see gas level
- Can be used as a torch when tip is removed



Part No.	Mfr. Part No.	1	5
1943051	ML500MP	\$15.95	\$14.95

## Butane Powered Cordless Soldering Iron

- Built-in on-off switch
- Can be used as a torch or hot blower
- Length: 8.5"
- Maximum temperature: 450°C (842°F)
- Average use of 40 minutes on a full load



Part No.	Mfr. Part No.	1	5
645520	GASIRON2	\$24.95	\$21.95

\*For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above





## 16 to 30-Watt Variable Soldering Iron & Stand

116572: Length: 7.5"  
36329:

- Black anodized steel base – 5.3"L x 3.3"W
- See below for replacement sponge (P/N 134631)
- Fits most soldering irons .85" dia.

Includes: Sponge

Part No.	Description	1	5	25
116572	25W VL soldering iron	\$19.95	\$17.95	\$15.95
36329	Soldering stand	4.95	4.45	3.95
134631	Sponge (for P/N 36329)	2.95	2.59	2.29



## 25-Watt Thermally Balanced Soldering Iron

The XY200GX is a thermally balanced soldering iron for the professional or hobbyist.

- 120VAC; 6' cord
- 25-watt power consumption
- Interchangeable tips (pg 165)
- UL listed
- Length: 8.0"
- One-year warranty

Includes: 1.6mm conical tip

Part No.	Mfr. Part No.	1	5	25
129040	200GX-25W	\$13.95	\$11.95	\$9.95



## 25-60-Watt High-Performance, Economical Soldering Irons

High-quality soldering irons that are suitable for both professional & do-it-yourself applications.

- Length: 9"
- 120VAC; 6' cord with 3-prong plug
- Tips for P/Ns 224611/224602: P/Ns 226018/226000
- Tip for P/N 195223: P/N 226026
- For additional tips see pg 165

Part No.	Mfr. Part No.	1	5	25
224611	200PHG-25W	\$10.95	\$9.95	\$8.95
224602	200PHG-40W	11.95	10.95	9.95
195223	200PHG-60W	12.95	11.49	10.49
226018	44-240513 conical tip	1.95	1.59	1.29
226000	44-240517 chisel tip	1.95	1.59	1.29
226026	44-240617 chisel tip	1.95	1.59	1.29



## 35-Watt SMD Tweezer Iron

- Max. temperature: 760°F
- Maximum efficiency ceramic heating elements insures rapid heat-up and instant heat recovery
- 120VAC
- Heater insulation exceeds 100MΩ
- Heater power consumption: 35W ea.

Includes: 0.078" tip

Part No.	Description	1	5	25
168410	Tweezer iron	\$54.95	\$49.95	\$44.95
168583	Tip .078"	9.95	8.95	7.95
168591	Tip .590"	11.95	10.95	9.95



## 50-Watt SMD Tweezer Iron

- 168401 Includes: 0.078" tip
- 236460: Replacement sponge
- 168583: 0.078" replacement tip (see above)
- 168591: 0.59" replacement tip (see above)

Part No.	Mfr. Part No.	For Use With	1	5
168401	TWZ50ESD	XY9-60A	\$49.95	\$44.95
236460	78-744615	XY9-60A	2.95	2.59

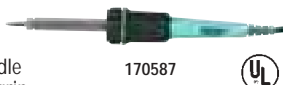


## Weller® 25 & 35-Watt High-Quality Soldering Irons

- 120VAC @ 60Hz
- Interchangeable heater elements
- Lightweight handle with cushioned grip
- Quick change knurled collar
- Length: 9"

Includes: Power cord & ST3 tip (pg 163)

Part No.	Mfr. Part No.	Description	1	5
170587	WP25	25W solder iron	\$39.95	\$37.95
192102	WP35	35W solder iron	47.95	45.95
146608	ST3	Screwdriver tip 1/16"	5.95	4.95
146616	ST3	Screwdriver tip 1/8"	5.95	4.95
192145	ST6	Screwdriver tip .031"	5.95	4.95
146624	ST7	Conical tip 1/32"	5.49	4.49

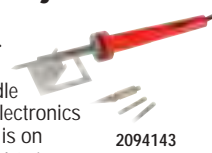


## Weller® 25 & 40-Watt Marksman Home Project Kits

Perfect for beginners and hobbyists. Includes stand.

- Stainless steel barrel and heat/impact resistant handle
- Ideal for kits, radios and electronics
- Indicator light shows iron is on

Part No.	Mfr. Part No.	Description	1	5
2094143	SP23LHPK	25W Iron kit	\$19.95	\$18.95
2094160	SP40LKP	40W Iron kit	24.95	23.49



## Weller® 100-Watt Soldering Iron

- "Closed loop" method of controlling max. tip temperature
- Nominal heat-up time with 700°F tip is 110 seconds
- 120VAC @ 60Hz input
- Length: 6"
- Weight: 0.7 lbs.

Includes: CT6F7 (0.375" screwdriver tip; 700°F)

Part No.	Mfr. Part No.	Description	1	5
192081	W100PG	Solder iron	\$64.95	\$59.95
192090	CT6F7	.375" screwdriver tip	6.95	6.29

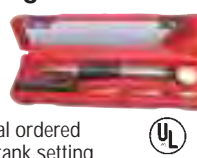


## Weller® 25 to 125-Watt Cordless Soldering Iron Kit

- Self-igniting & instant heat
- Adjustable temperature (25W to 125W)
- Auto switch off
- Visible gas level
- Additional tips can be special ordered
- 2 hours of heat on average tank setting

Includes: Soldering tool, hot blower tip, hot knife tip, 2.4mm and 4.8mm double flat tip, cleaning sponge, storage case and instruction manual

Part No.	Mfr. Part No.	1	5
152207	PSI-100K	\$89.95	\$79.95



\*Soldering Irons — Enter Web Code OAS

### Need Solder?

See page 166 for All Your Soldering Accessories.



## Weller® 8/11-Watt Battery Powered Soldering Iron

- Heats to working temperature in less than 15 seconds
- White LED light illuminates working surface
- Dual heat settings: 8 watts on low setting (850°F) or 11 watts on high setting (950°F)
- Co-molded grip for comfort grip and protective safety cap turns off power when placed on tool
- Over 150 intermittent solder joints with fresh batteries

Includes: Iron, tip, 4 "AA" batteries, lead free solder, and tip/wrench stand

Part No.	Mfr. Part No.	1	5
1943060	BP860MP	\$23.95	\$19.95



## Weller® Coldheat Pro Cordless Soldering Iron

Using the patented Coldheat™ system, the Weller Pro Cordless melts solder instantly and is cool to the touch in just seconds. The Weller Pro has the power industrial professionals need to tin wire as large as 12AWG or join wires from 18-25AWG, with an average yield of 700 solder joints per 5 AA Alkaline batteries.

- Polycarbonate body
- High/low/off power switch
- Bright white LED light
- Red "in use" indicator light
- Includes carrying case and CHT3 61° angle chisel tip

Requires: 5 AA Alkaline batteries (recommend 198707, pg 146, not included)

Part No.	Mfr. Part No.	1	5
684705	CHT100	\$39.95	\$35.95

Blue Part No. = Limited Quantity Available



## WAHL® 25-Watt Cordless Soldering Iron

IsoTip® Power Pro Model #7904

- 900°F tip temperature
- LED indicator light
- Solders 200+ joints or up to 30 minutes of continuous soldering
- Iron performance equivalent to 25-watt iron
- Weight: 1.1 lbs.

Includes: Iron, charging stand, battery pack and tips

Part No.	Description	1	5
132783	Power Pro cordless iron	\$69.95	\$64.95



## 20 to 80-Watt Butane Soldering Iron Tool Kit

- Slide switch ignition system
- Adjustable temperature up to 1200°F
- 1.3 hrs of use per refill

Includes: Solder tip, heat tip, hot knife tip, shrink attachment, cap sponge, stand & case

Part No.	Description	1	5
2076615	Flameless heat soldering	\$84.95	\$78.95



## 30 to 100-Watt Soldering Kit

- Includes: 100W soldering gun with extra tip, 30W soldering iron, manual desoldering pump, mini third-hand board/ component holder, lead solder, and soldering aid tool
- Size: 13.8"L x 11"W x 3"H

Part No.	Description	Weight	1	5
684596	GSR-600A	4.0 lbs.	\$35.95	\$29.95



## Electric & Manual Desolder Pumps

- Easily disassembled for cleaning
- Replacement tips available
- 19255:** • UL listed
- One-hand operation
- Size: 10.5"L x 1.0"Dia.
- 19166:** Size: 7.8"L x 0.8"Dia.
- 1942139:** Size: 13.3"L x 1.0"Dia.



Part No.	Description	1	5
19255	Electric desolder pump	\$26.95	\$23.95
19166	Manual desolder pump	4.95	4.49
1942139	Manual desolder pump	8.95	7.95
19262	1 tip for 19255	3.95	3.49
22091	2 tips for 19166	4.49	3.95
307782	1 tip for DP100	2.49	1.95

## Weller® 40-Watt Soldering Station

- Lighted on/off switch
- Adjustable power from 5 watts to 40 watts
- 120V @ 60Hz
- Temp. is electronically controlled from 350° to 850°F
- Size: 5.5"L x 4.5"W x 3.5"H • Weight: 1.9 lbs.



**Includes:** ST3 1/8" screwdriver tip and manual

Part No.	Mfr. Part No.	Description	1	5
146595	WLC100	40W station	\$59.95	\$54.95

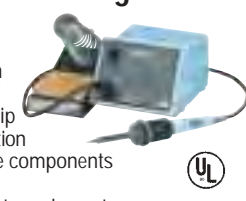
## Weller® Soldering Tips

**Replacement Tips for WLC100, WP25 & WP23**

Part No.	Mfr. P/N	Description	1	5
146608	ST1	Screwdriver tip 1/16"	\$5.95	\$4.95
146616	ST3	Screwdriver tip 1/8"	5.95	4.95
192145	ST6	Screwdriver tip .031"	5.95	4.95
146624	ST7	Conical tip 1/32"	5.49	4.49

## Weller® 42-Watt Controlled-Output Soldering Station

- Complete with macro style, low voltage, temp. controlled soldering iron
- Closed loop method of controlling maximum tip temperature for protection of temperature sensitive components
- 120VAC @ 60Hz input
- Power unit housing features impact resistant plastic for durability
- Quick disconnect plug for soldering iron and lighted on/off switch
- Separate conductor grounds iron tip and terminates third pin of power cord • Uses PT series tips
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.



**Includes:** Soldering iron and PTA7 tip (below)

- Tips all .062"

Part No.	Mfr. P/N	Description	1	5
170552	WTCP	Solder station	\$149.95	\$139.95
192161	TC201T	Replacement iron	79.95	72.95
192170	PTA6	Screwdriver tip 600°F	3.95	3.49
192188	PTA7	Screwdriver tip 700°F	3.95	3.49
192196	PTA8	Screwdriver tip 800°F	3.95	3.49

\*Soldering/Desoldering Stations — Enter Web Code GEJ

## 45-Watt Analog Display Soldering Station

- Grounded Soldering Tip**
- 500°F to 850°F
  - Fully grounded
  - Insulated ceramic heating element for rapid heat-up and heat recovery
  - Heater insulation exceeds 100MΩ
  - Zero voltage circuitry eliminating high voltage spike and magnetic field generation
  - Size: 7.0"L x 4.5"W x 3.5"H • Weight: 2.5 lbs.



**Includes:** Manual, soldering iron w/ 1/32" tip, stand, tip cleaner and sponge

**156814:** Sharp conical chisel tip

**156822:** Conical chisel tip

Part No.	Mfr. Part No.	Description	1	5
229673	XYT379-C	45W station	\$49.95	\$44.95
156814	XYB01	1/32" tip	3.95	3.49
156822	XYB04	1/16" tip	3.95	3.49
134631	SP715	Sponge	2.95	2.59

## Weller® 50-Watt Analog & Digital Display Soldering Stations

Innovative heater and sensor combination for quick heat-up and rapid temperature recovery.

- Tip temperature offset capability allows user to reset temperature readings to match tip size and style
- Wireless temp. lockout
- Auto power-down after 90 minutes of inactivity
- Temperature range: 350°F to 850°F
- Temp. accuracy: ±9.0°F • ESD safe
- Size: 5.9"L x 4.5"W x 3.6"H • Weight: 4.0 lbs.



**Includes:** PES51 50W soldering iron with ETA tip, PH50 stand and sponge, and adjustment tool

Part No.	Mfr. Part No.	Description	1	5
217461	WES51	Analog	\$124.95	\$121.95
233533	WESD51	Digital	169.95	159.95
2082847	PES51	Soldering iron	38.95	37.95

## Weller® Soldering Tips

- Replacement Tips for WES51 & WESD51**
- Tip leakage: less than 2mV
  - Tip to ground resistance: less than 2Ω
  - Additional tips can be special ordered

Part No.	Mfr. P/N	Description	1	5
16774	ETA	Screwdriver 1/16"	\$6.95	\$6.29
16782	ETJ	Long screwdriver 1/32"	6.95	6.29
16803	ETR	Narrow screwdriver 1/16"	6.95	6.29
16811	ETS	Long conical 1/64"	6.95	6.29
2082783	WCC104	Replacement sponge	1.75	1.59

## Replacement Sponges for Legacy Model Soldering Stations

**134640:** For 138-3  
**134631:** For XY-60D, XY-379 & XYT379-C

Part No.	Mfr. Part No.	1	5	25
134640	SP815	\$1.95	\$1.75	\$1.59
134631	SP715	2.95	2.59	2.29

## 70-Watt Soldering Stations

- Input: 110-120VAC @ 60Hz
- Nichrome heating element on soldering iron
- Temp. range: 200°C to 450°C (329°F to 842°F)
- Soldering iron assembly w/ nichrome heating element & K-type thermocouple sensor
- Adjustable knob for temperature setting
- Size: 8"L x 5.2"W x 3.8"H • Weight: 5.3 lbs.
- Includes: soldering station, soldering stand with cleaning pad, soldering iron, manual



**1950711: Analog**

- LED to indicate power (green), heater on (red)
- Temp. acc.: ±3°C • Uses model 209 soldering iron

**1950729: Digital**

- Temp. accuracy: ±1°C
- 0.560" (3-digit) LED display and red LED for heater on indicator • ESD safe
- Uses model 209ESD soldering iron

Part No.	Mfr. Part No.	Description	1	5
1950711	169	Analog	\$99.95	\$89.95
1950729	169D	Digital	129.95	119.95

## Weller® 80-Watt Soldering Station

- 120V @ 60Hz
- Lighted on/off switch
- Adjustable power from 5 to 80 watts
- Temperature is electronically controlled from 350° to 900°F
- Size: 5.5"L x 4.5"W x 3.5"H
- Weight: 2.1 lbs.



**Includes:** MTG21 1/4" chisel tip and manual

Part No.	Mfr. Part No.	Description	1	5
2082775	WLC200	Soldering station	\$69.95	\$65.95
2082812	MTG21	1/4" chisel tip	7.95	7.49
2082804	MTG20	3/8" chisel tip	7.95	7.49
2082821	MTG22	3/8" cone tip	8.95	8.49
2082783	WCC104	Sponge	1.75	1.59

## Weller® 85-Watt Digital Soldering Station

- New WP80 soldering pencil with short tip-to-grip (52mm)
- Barrel can be exchanged with optional longer version to work at standard length (65mm)
- Unique silver heater allows fast, efficient soldering
- Uses WP80 soldering pencil and WDH10 soldering stand
- Size: 15.4"L x 10.2"W x 5.2"H
- Includes LTB tip
- Weight: 8.2 lbs.



Part No.	Mfr. Part No.	1	5
684772	WD1002	\$309.95	\$299.95

## Weller® 85-Watt Digital Soldering Station

- Extensive special functions menu allows you to use setback, lockout, standby, auto-off time and more
- Heating element is contained in pencil rather than tip
- Micro pencil with short tip-to-grip (37mm) puts you close to the work
- Iron stand has adjustable tilt angle in 4 positions ranging from 30° to 80°
- Includes NT1 tip
- Uses WMP soldering pencil and WDH20 iron stand
- Size: 15.9"L x 10.9"W x 5.8"H • Weight: 7.5 lbs.



Part No.	Mfr. Part No.	1	5
684781	WD1001	\$309.95	\$294.95

\*For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above





## 100-Watt ESD-Safe, Lead-Free Soldering Station

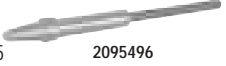
- Specifically designed for RoHS-compliant soldering
- ±3°C temp. stability
- 100W, 115/230VAC 50/60Hz
- Temperature adjustable 0-45°C (0-85°F)
- 24VAC Hi-Recovery nichrome heating
- Auto power down idle circuitry, 15-min non-operation
- Full digital LED readout in both °C and °F
- Size: 6.1"W x 6"D x 4"H • Weight: 8.0 lbs.



Part No.	Description	1	5
667551	LF-1000 soldering station	\$139.95	\$125.95

## Desoldering Tips

- Replacement tips for LF7000 P/N 1919107 and LF8000 P/N 1919115



Part No.	Description	1	5	25
2095496	Desolder tip 1mm	\$8.95	\$7.95	\$6.95
2095509	Desolder tip 1.2mm	8.95	7.95	6.95
2095517	Desolder tip 1.5mm	8.95	7.95	6.95

## CHIPQUIK® SMD Removal Kit

- Quick and easy to use
- Potential damage to printed circuit boards is eliminated
- 2.5" of CHIPQUIK® material removes 1250-1500 SMD pins
- Uses simple equipment and materials for application & clean-up



Part No.	Description	1	5
141305	SMD removal kit	\$15.95	\$14.49

## Solder Tool Kit

- For Beginners**
- Includes: Soldering iron with stand, long nose pliers, wire strippers, side cutters and sponge.



Part No.	Description	1	5
358598	7-piece tool soldering kit	\$15.95	\$13.95

## Vacuum Pen Tools

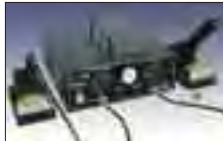
- ESD safe body
- Picks up components with weight of 1.1 lbs. or less



Part No.	Description	1	5
207239	Handivac tool (4 tips/cups)	\$19.95	\$17.95
207247	Pen vac tool (6 tips/cups)	39.95	33.95

## 90-Watt Analog Soldering & Desoldering Station

- Soldering iron: 32VAC output, 90 watt, 200°C to 480°C (400°F to 900°F) temperature range with 1.6mm/1/16" tip
- Desoldering iron (DIA80): 32VAC output, 80 watt, 300°C to 450°C (570°F to 850°F) temperature range, with 1.2mm/0.048" tip
- Temp. stability: ±3°C (6°F)
- Pump controlled by a finger actuated thyristor on desoldering iron
- Automatic power down after 15 minutes of idle as indicated by pause LED
- Dials for temperature settings on both soldering and desoldering iron
- Self-contained vacuum pump engineered to provide continuous, maintenance free operation
- Zero voltage switching and full grounded design
- Analog readout for vacuum pressure
- Adjustable temperature w/o changing tips
- Size: 10.8"W x 12.5"D x 4.1"H



**Includes:** 104A/105A soldering stands, A-2000-1 soldering stand, DIA80 desoldering iron with #44-915412 tip, 210ESD soldering iron with #44-415404 tip, 5pc. 5" high precision tweezers, AX205 5" micro cutting pliers, steel brush/cotton/foam replacement filters, power cable, and instruction manual

Part No.	Mfr. Part No.	Description	1	5
1919107	LF-7000	Analog solder/desolder station	\$399.95	\$359.95

## 100-Watt High-Powered Soldering & Desoldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Soldering iron (heater output, power and temp. range): 32VAC, 100W, 200°C to 450°C (400°F to 850°F)
- Desoldering iron (heater output, power, and temperature range): 32VAC, 80W, 300°C to 450°C (570°F to 850°F)
- Temp. stability: ±3°C (6°F)
- Pump controlled by a finger actuated thyristor on desoldering iron
- Zero voltage switching & fully grounded design
- Adjustable temperature w/o changing tips
- Auto power down after 15 min. of idle
- Detachable soldering iron and desoldering wand
- Self contained vacuum pump engineered to provide continuous, maintenance free operation
- Digital readout for temperature
- Analog readout for vacuum pressure
- Size: 10.8"W x 12.5"D x 6.1"H



**Includes:** 104A/105A soldering stands, DIA80 desoldering iron, 210ESD soldering iron, steel brush, foam filters, power cord, diagonal wire cutters, 5 high precision tweezers and instruction manual

Part No.	Mfr. Part No.	1	5
1919115	LF-8000	\$489.95	\$464.95

## 80-Watt Desoldering Station

- Input voltage: 100 – 120VAC @ 60Hz
- Heater: 32V, 80W
- Large digital temperature display
- Adjustable temperature without changing tips
- Tip temperature accurate to ±3°C (6°F)
- Zero voltage switching & fully grounded design makes this unit safe on electro-sensitive devices
- Suction controlled by a finger actuator thyristor located on the desoldering handle
- Self contained diaphragm vacuum pump engineered to provide continuous, maintenance free operation
- Temperature range: 300°C to 450°C (572°F to 842°F)
- Size: 7.9"W x 9.3"D x 4.5"H

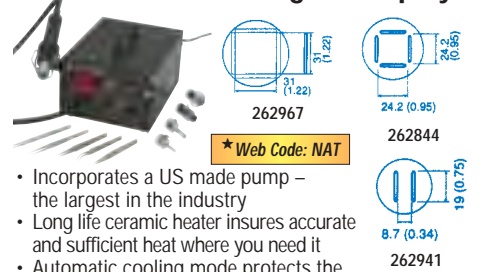


Part No.	Mfr. Part No.	1	5
1919094	LF-6000	\$349.95	\$315.95

**\*Soldering/Desoldering Stations — Enter Web Code GEJ**

## 420-Watt Hot Air SMD Rework Station with Digital Display

- Incorporates a US made pump – the largest in the industry
- Long life ceramic heater insures accurate and sufficient heat where you need it
- Automatic cooling mode protects the heating element
- Power supply: 100-120VAC or 220-240VAC
- Airflow capacity: 1.5L/min. to 28L/min.
- 310W nichrome heating element
- Electronically controlled temperature system with digital readout in preset and actual temperature
- Hot air temp. range: 100°C - 385°C (212°F - 725°F)
- 25W diaphragm pump • Adjustable air-flow
- Size: 7.4"W x 9.6"D x 5.0"H • Weight: 10.8 lbs.



- Includes: Precision 5-pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895 and 262908)

**Includes:** Precision 5-pc. non-magnetic tweezer set, 4 focus hood tips (single 2.5mm and 4.4mm pipes, P/N 262895 and 262908)

Part No.	Mfr. Part No.	Description	1	5
262705	850D	SMD rework	\$299.95	\$269.95
262810	A1135B	PLCC 17.5 x 17.5	29.95	25.95
262959	A1136B	PLCC 20 x 20	45.95	39.95
262967	A1138B	PLCC 30 x 30	45.95	39.95
262895	A1125B	QFP 10 x 10	29.95	25.95
262908	A1126B	QFP 14 x 14	29.95	25.95
262916	A1127B	QFP 17.5 x 17.5	29.95	25.95
262852	A1261B	QFP 20 x 20	45.95	39.95
262844	A1128B	BOFP 24 x 24	45.95	39.95
262801	A1129B	QFP 28 x 28	45.95	39.95
262887	A1265B	QFP 32 x 32	69.95	65.95
262932	A1258B	SOP 7.6 x 12.7	29.95	25.95
262941	A1260B	SOP 8.6 x 18	29.95	25.95
262975	A1259B	SOP 13 x 28	45.95	39.95

Ⓞ Blue Part No. = Limited Quantity Available

## 40 & 80-Watt SMD Rework Stations

- Long-life ceramic heating element
- High-performance, inexpensive, versatile
- Thermocouple sensor for stable temperature
- Rapid heat-up and recovery



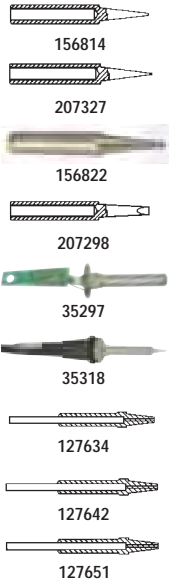
- 224629: 40-Watt
  - Adjustable temperature: 482-842°F (250-450°C)
  - 25-watt ceramic element
  - Size: 7.4"L x 5.0"W x 3.3"H
  - Weight: 2.6 lbs.
- 2099219: 80-Watt
  - Adjustable temperature: 392-896°F (200-480°C)
  - 40-watt ceramic element
  - Size: 8.8"L x 6.0"W x 4.5"H
  - Weight: 4.2 lbs.

**Includes:** Base power unit, sponge, stand, surface mount tweezer iron, and stand for tweezers

Part No.	Description	1	5
224629	40-watt station	\$89.95	\$79.95
2099219	80-watt station	169.95	149.95
168583	.078" tip	9.95	8.95
168591	.590" tip	11.95	10.95
156814	.03125 conical	3.95	3.49
168583	Tweezer tip	9.95	8.95



## Tips & Replacement Parts for XYTronic Soldering and Desoldering Products



Part No.	Mfr. P/N	Description	For XYTronic Model Numbers (*Legacy Models)											Pricing				
			289VL	130ESD*	200X 200PG	377 (37)C	AESD DESD	XYTRON	960*	968	99PSDA*	JS2E8*	168-3C	1	10	25		
35326	XY401	Soldering tip - conical bevel 1/32"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	\$4.49	\$3.95	\$3.59
35078	XY402	Soldering tip - semi-chisel 1/32"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.59
35334	XY403	Soldering tip - conical sharp 1/64"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.59
35115	XY404	Soldering tip - conical chisel 1/16"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.59
35238	XY405	Soldering tip - semi-chisel wide 1/8"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	2.95
207335	XY406	Soldering tip - long conical chisel 3/64"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	2.95
207351	XY410	Soldering tip - chisel 3/16"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	4.49	3.95	3.59
140231	XY430	Soldering tip - SMD flat pack 7/32"	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6.95	5.95	4.95
156814	XYB01	Soldering tip - sharp conical chisel 1/32"		✓				✓								3.95	3.49	2.95
207327	XYB03	Soldering tip - conical sharp 1/64"		✓				✓								5.95	5.49	4.95
156822	XYB04	Soldering tip - conical sharp 1/16"		✓				✓								3.95	3.49	2.95
207298	XYB05	Soldering tip - semi-wide chisel 1/8"		✓				✓								4.49	3.95	3.59
35297	XY37	Heating element - (nichrome)			✓	✓			✓				✓			12.95	11.95	10.95
35318	XY48	Assembly - 60W w/ nichrome heater			✓	✓			✓				✓			29.95	26.95	23.95
127634	XYD10	Desoldering tip - 1.0mm (.0394")								✓	✓					8.95	7.95	6.95
127642	XYD12	Desoldering tip - 1.2mm (.0472")								✓	✓					8.95	7.95	6.95
127651	XYD15	Desoldering tip - 1.5mm (.0586")								✓	✓					8.95	7.95	6.95

### Solder Spool & Iron Stand

- 4 pc. spool stand (some assembly required)
- Size: 6"L x 3.5"W x 3.1"H
- Sponge size: 1.6"W x 2.4"L
- Shaft diameter: 0.6"
- Weight: 2.0 lbs.



Part No.	Description	1	5	25
169551	Spool & iron stand	\$10.95	\$9.95	\$8.95

\*Solder Spool Stand — Enter Web Code YAU

### 600-Watt Solder Pot

#### Temperature Adjustable

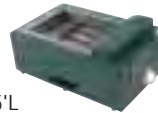
- 2-wire power cord (5'5")
  - Temperature: 0°C to 500°C
  - Self-regulating temperature
  - Input voltage: 110VAC @ 5.5A
  - On-off power switch and LED indicator for heat
  - Holds up to 3 bars of P/N 176057 or 170465, pg 166
  - Size (unit): 6.8"L x 5.5"W x 2.8"H
  - Size (tub): 3.9"L x 1.6"D
  - Weight: 7.4 lbs.
- Includes:** Skimmer and removable dross tray



Part No.	Description	1	5
172276	600-watt solder pot	\$199.95	\$179.95

### 2000-Watt Solder Pot

- Thermostat control for setting temp. from 50°C to 300°C
- Holds up to 48 bars of P/N 176057 or 170465, pg 166
- 3 conductor pigtail power cord: 5'L
- Input volt.: 110VAC @ 18A, 50-60Hz single phase
- Size (unit): 18.1"L x 11.5"W x 6.0"H
- Size (tub): 12.0"L x 8.0"W x 2.9"H
- Weight: 23.1 lbs.
- One-year warranty



Part No.	Description	1	5
149876	2000-watt solder pot	\$359.95	\$299.95

### 22-Watt Fume Extractor

#### Absorbs noxious lead fumes using activated-carbon filter and a high-efficiency fan

- Operate continuously providing filtered air
  - Static ground jack • Fuse protected
  - Air flow: 115 CFM • Noise: 49dB fan
  - 20VAC, 60Hz, 22 watt
  - Aerodynamic hood design for effective removal of solder fumes
  - Removable carbon-impregnated filter
  - Size: 6.4"W x 4.6"D x 7.9"H
  - Weight: 4.6 lbs.
  - One-year warranty
- Includes:** Detachable power cord



Part No.	Description	1	5	25
120150	Fume extractor	\$49.95	\$45.95	\$39.95
127183	Replace. filters (2/pk)	9.95	8.95	7.95

\*Fume Extractors — Enter Web Code HAR

### Weller® 20-Watt Fume Extractor

- This fume extractor removes flux fumes from the soldering workbench by drawing smoke through an activated carbon filter. With its exceptionally quiet fan, it can process up to 1.37 cubic meters of air per minute and its stand is adjustable allowing it to be set-up in multiple positions.
- Voltage: 120VAC
  - Sound level: 45-50dB
  - Air consumption: 87-107CFM
  - Power consumption: 20W
  - Absorption capacity: 1.25 cubic meters to 1.37 cubic meter per minute
  - ESD safe
  - UL/CUL listed
  - Size: 10"L x 6.5"W x 11"H
  - Weight: 4.2 lbs.



Part No.	Mfr. Part No.	1	5
684810	WSA350	\$59.95	\$54.95
684828	WSA350F (carbon filter)	7.95	6.95

### 42-Watt Combination Soldering Station and Fume Extractor

- Power consumption: 42W @ 650°F (soldering iron)
  - Adjustable knob for temperature control: 500°F to 800°F
  - Stability @ idle: ±9°F
  - Max. air volume: 95/115CFM
  - LED indicator for pilot light
  - Electronic zero-voltage switching
  - Input voltage: 100-120VAC @ 60Hz
  - Size: 6.4"W x 7.8"H x 4.7"D
  - Weight: 5.2 lbs.
- Includes:** Soldering iron, iron holder, sponge, carbon activated filter, power cord and manual



Part No.	Mfr. Part No.	1	5
183169	456DLX	\$89.95	\$69.95

### Fume Extractor Filters

- For use with GS-630A
- 3-pack carbon filters • Size: 5" x 5"



See page 197 for NEW Fume Extractor System

\*For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above





## Vacuum Base Vise

- Features the patented "split ball" that tilts, turns and rotates through three planes
- Powerful suction pad for quick and easy set-up • Weight: 3.3 lbs.
- Nylon jaws open 2.25"
- Size: 5.0"L x 4.0"W x 6.3"H
- One-year warranty



\*Web Code: TAD

Part No.	Mfr.	Product No.	1	5
262116	ValuePro	GV-300	\$39.95	\$35.95
27131	PanaVise	M381	59.95	57.95

## Third Hand Tools

- Two adjustable arms with alligator clip jaws
- Quick and easy rotation
- Sturdy, heavy base



681002

Part No.	Description	Wt. (lbs.)	Size	1	5
72865	With holder/sponge	1.4	2.0"	\$8.95	\$7.95
681002	With holder/sponge	1.7	3.5"	8.95	7.95
26690	Third hand	1.4	2.0"	5.95	5.49

## We're Listening to What You Need

Our goal is to provide you with more of what you want. Let us know how we can better serve your electronic needs.

Send feedback to [Feedback@Jameco.com](mailto:Feedback@Jameco.com).

## Clamp Vise

\*Web Code: TAD

- No tools needed — finger turn to tighten
- Ball cup allows vise to adjust to any angle
- Nylon jaws open 2"
- Size: 10.0"L x 2.5"W



• Weight: 2.1 lbs.

Part No.	Mfr.	Part No.	1	5
127167	OR-	307	\$19.95	\$17.95

## PANA VISE PV Jr. Vise

- Jaw size: 1" wide x 2" long; opening: 2.8"
- Jaw heat tolerance: 350°F
- Vertical/horizontal jaw grooves
- Fine/course adjusting knob
- The vise neck tilts, turns and rotates
- Vise height: 6.8" • Weight: 1.4 lbs.
- Base bolt is 4.3" and fits all PanaVise base mounts



Part No.	Mfr.	Part No.	1	5
134439	PVJR	201	\$26.95	\$24.95

## Rapid Assembly Circuit Board Holder

- 8 positions rotating adjustment, six positive lock positions in the vertical plane and height adjustment for quick board rotation speeds
- Holds circuit boards from 1/8" (3.2mm) to 12" (304.8mm) wide and up to 5/32" (4mm) thick
- Arms move independently
- 10" high (from base to top of vertical shaft)



Part No.	Mfr.	Part No.	Weight	1	5
684844	333		6.4 lbs.	\$79.95	\$75.95

## PANA VISE Vacuum Base Vise

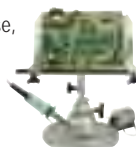
- Head moves through three planes: 210° tilt, 360° turn and rotation
- Grooved jaws are made of reinforced thermal alloy and open up to 2.9"
- Fine/course adjustment
- Jaw size: 2"H x 1"W • Base dia.: 3.4"
- Overall height: 7.5"H • Weight: 0.8 lbs.



Part No.	Mfr.	Part No.	1	5
251791	209		\$39.95	\$35.95

## PANA VISE Electronic Work Center

- Circuit board holder, standard base, tray base mount, solder station, sponges and wire holder included
- Size: 8.5"W x 7.8"H
- Weight: 5.3 lbs.
- One-year warranty



Part No.	Mfr.	Part No.	1	5
27060	324		\$89.95	\$79.95

## PANA VISE Multi-Purpose Work Center

- Jaws open to 9°
- Double action extra wide self-centering heads allow fast opening and closing; centered weight allows jaws to hold heavier objects; plates can be reversed to close together; reversible jaw pads feature ribbing on one side and a V groove on the other
- Base has three 1/4" countersunk mounting holes
- Overall base diameter is 8.5"



Part No.	Mfr.	Part No.	1	5
684852	350		\$89.95	\$84.95

## Clip-On Heat Sink

- Absorbs and dissipates heat during soldering and desoldering sensitive parts
- Size: 2.7"L x 0.7"W



Part No.	Product No.	1	10	100
159126	HT156	\$2.95	\$2.59	\$2.29

## Acid Brush

- Used for application of reactive solvents



Part No.	Description	1	10	100
153322	Metal handle, 6"	\$0.65	\$0.55	\$0.45

## Plastic Pump Bottle

- 6 oz. bottle
- ESD compliant
- Plastic bottle with dispenser cover



Part No.	Mfr.	Part No.	1	10	100
158131	450		\$9.95	\$8.95	\$7.95

## Heat Sink & Soldering Aid Kit

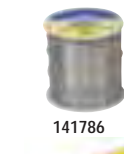
100378

100503



100378: Heat sink absorbs and dissipates heat during soldering & desoldering of sensitive parts  
100503 Includes: Soldering wick, 3 pc. scraper set, acid brush, clip-on heat sink and empty squirt bottle

Part No.	Description	1	10	100
100378	Heat sink	\$0.49	\$0.45	\$0.39
100503	7-piece soldering kit	6.95	6.29	5.49



141786



170457



115433



170465



668297

## Solder Bars, Rolls and Pocket Packs

\*Web Code: ABD

Part No.	Manufacturer	% Composition					Dia.	L"	Wt. (lbs.)	Type†	Pricing	
		Tin	Lead	Silver	Copper	Gold					1	10
73576	Kester	60	40	—	—	—	0.031"	—	0.5	2	\$3.25	\$2.95
32117	Kester	60	40	0	—	—	0.031"	—	1.0	1	25.95	22.95
141786	Super	60	40	0	—	—	0.031"	—	1.1	1	19.95	17.95
94570	Kester	60	40	—	—	—	0.05"	—	1.3	2	3.49	3.19
176057	ValuePro	60	40	—	—	—	—	13	1.1	4	20.95	18.95
73605	Kester	62	36	2	—	—	0.02"	—	0.35	2	3.79	3.39
151474	Kester*	63	37	0	—	—	0.031"	—	1.0	1	27.95	24.95
115433	Kester	63	37	0	—	—	0.039"	—	0.07	3	.99	.85
170465	ValuePro	63	37	—	—	—	—	13	1.8	4	19.95	18.95
668262	ValuePro	96.3	—	3.2	0.5	—	0.04"	—	0.6	1	25.95	23.95
668297	ValuePro	96.3	—	3.2	0.5	—	0.04"	—	1.1	1	49.95	44.95
1945858	Various	96.5	—	3.0	0.5	—	0.02"	—	1.1	1	27.95	25.95
668271	ValuePro	96.5	—	3.5	—	—	0.04"	—	0.6	1	29.95	26.95
668318	ValuePro	96.5	—	3.5	—	—	0.04"	—	1.1	1	49.95	44.95
668422	ValuePro	96.5	—	—	—	3.5	—	13	2.2	4	69.95	64.95
170457	Various	99.3	—	—	0.7	—	0.031"	—	0.06	2	2.49	2.25
209075	Various	99.3	—	—	0.7	—	0.031"	—	1.0	1	19.95	18.95
668078	ValuePro	99.3	—	—	0.7	—	0.04"	—	0.6	1	15.95	13.95
668406	ValuePro	99.3	—	—	0.7	—	—	13	2.2	4	34.95	31.95

\* Organic core † 1. Roll 2. Packet 3. Coil 4. Bar

## 5' Desolder Braids

\*Web Code: DAG

Part No.	Mfr.	Mfr. Part No.	Description	W"	1	10
139951	Techspray	1814-5F	No-Clean, Military & NASA certified	.030	\$3.59	\$3.29
124126	Techspray	1815-5F	No-Clean, Military & NASA certified	.055	3.59	3.29
124118	Techspray	1816-5F	No-Clean, Military & NASA certified	.075	3.59	3.29
263708	Techspray	1817-5F	No-Clean, Military & NASA certified	.098	3.95	3.59
263695	Techspray	1803-5F	Pro Wick, Pure Rosin	.075	2.95	2.59
263599	Techspray	1804-5F	Pro Wick, Pure Rosin	.098	3.29	2.95
263581	Techspray	1511-5F	Pro Wick, Pure Rosin with bobbin	.098	3.29	2.95
41082	ValuePro	GISW20	Solder wick braids	.079	1.89	1.69
41100	ValuePro	GISW25	Solder wick braids	.098	1.99	1.79
153462	ValuePro	GSR104D	Solder wick braids	.120	2.25	1.95

RoHS compliant product + This product is available in both RoHS and non-RoHS versions. Add an "R" before part number for RoHS version. Details on page 190.

## Workshop Chemicals & Heat Sinks Compounds

**NEW**  
MARKED IN PINK



\* Shipped via UPS ground to continental U.S. only

Part No.	Manufacturer	Description	Vol. (oz.)	1	10
615769	GC Electronics	Adhesive, sealant, silicon, one part, non corrosive, clear	3	\$7.95	\$6.95
645845	3M	Super adhesive, household glue #6004*	1	4.95	4.49
139900	Techspray	Air duster, Envi-Ro-Tech, acusol, 100% HCFC, non-flammable, w/ trigger*	8	9.95	8.95
263530	Techspray	Air duster, Envi-Ro-Tech, acusol, 100% HCFC, non-flammable, w/ trigger*	12	13.95	12.95
2094207	Caig	Air duster, non-flammable, moisture free, non-ozone depleting, no VOC*	10	6.95	6.49
2094231	Caig	Cleaner wash, contact evaporates quickly, safe on plastics*	10	7.95	6.95
118033	Techspray	Cleaner, contact, ECONOLINE, CFC free, aerosol can*	13.5	10.95	9.95
2094223	Caig	Cleaner, contact, quick dry, chemically improves metal electronic connections*	0.5	9.95	8.95
195004	Caig	Cleaner, contact dioxidizer & preservative, improves electronic connections*	5	16.95	15.95
2094215	Caig	Cleaner & conditioner, soldering tip*	0.5	8.95	7.95
616331	GC Electronics	Conductive paint, silver print II*	0.5**	49.95	44.95
263716	Techspray	Conductive pen, silver ink*	0.17	19.95	18.95
616411	GC Electronics	Developer, positive type, concentrate, dilute 9:1*	6	11.95	10.95
616438	GC Electronics	Etching solution, PC board, ferric chloride solution*	32	24.95	22.45
616446	GC Electronics	Etching solution, PC board, ferric chloride solution*	128	49.95	44.95
139934	Techspray	Freeze spray, Envi-Ro-Tech, circuit chiller, CFC and HFC free*	8	12.95	11.95
652210	3M	Glue tip, scotch-weld tapered mixer tip #4902 for 2 part glue	—	1.49	1.25
615347	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	1†	8.49	7.69
615355	GC Electronics	Heat sink compound, 100% synthetic base stocks type 44	16†	39.95	35.95
1582541	Wakefield	Heat sink compound, silicon based	8†	26.95	24.49
236823	ValuePro	Heat sink compound, silicon based grease	0.35†	4.95	4.49
167249	Aavid Thermalloy	Heat sink compound, silicon based grease*	2†	8.95	7.95
169252	Techspray	Heat sink compound, silicon free	4†	25.95	23.95
259151	NTE	Heat sink compound, white gel, thermal grease 5 pack	0.35†	1.95	1.75
615304	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	16†	29.95	26.95
615312	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	0.23†	2.95	2.65
615321	GC Electronics	Heat sink compound, zinc oxide-filled silicon grease	1†	7.95	7.25
263572	Techspray	Isopropyl alcohol, plastic bottle*	16	12.95	10.95
2094240	Caig	DeoxIT® SHIELD SN5 Spray Lubricant & protectant, for electrical connections*	0.5	9.95	8.95
645950	3M	Mask, home dust (5-pack), offers relief from common household dust	—	4.49	3.95
645968	3M	Mask, respirator, recommend for use w/ fiberglass insulation/drywall sanding	—	6.95	6.29
481730	Techspray	Smoke detector test spray*	2	5.95	5.49
615806	GC Electronics	Solder flux remover & cleaner II, non ODC, aerosol can*	16	9.95	8.95
118041	Techspray	Solder flux remover, ECONOLINE, CFC free, aerosol can*	13.5	11.95	10.95
1586015	Chipquik	Solder flux, tack for rework, no clean, 10cc w/ syringe	0.34	13.95	12.95
2098216	Chipquik	Solder flux, tack for rework, no clean, 10cc w/ syringe, water washable	0.34	15.95	14.95
481764	Techspray	Solder flux, dispensing pen, No-clean, resin & halide free leaves no residue*	0.38	6.95	6.49
615224	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	2	8.95	7.95
615232	GC Electronics	Solder flux, liquid, non corrosive, solution of special rosin in alcohol*	16	24.95	22.45
615494	GC Electronics	Solder flux, paste, strong flux for soldering sheet metal & pipes, not for PCBs*	2.29	9.95	8.95
2094258	Caig	Solder flux, rosin paste for electronic applications including PCBs*	2	8.95	7.95
2098208	Chipquik	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe	0.34	19.95	18.95
2098224	Chipquik	Solder paste, 63% SN, 37% PB, no clean 10cc w/ syringe, water washable	0.34	22.95	21.95
2097441	Chipquik	Solder paste, 96.5% SN, 3% AG, .5CU, no clean 10cc w/ syringe	0.34	21.95	20.95
2098232	Chipquik	Solder paste, 96.5% SN, 3% AG, .5CU, no clean 10cc w/ syringe, water washable	0.34	23.95	22.95
525835	Chemtronics	Solder mask, peelable, latex material, squeeze bottle*	8	14.95	12.95
525851	Chemtronics	Cotton swabs, double headed, 6" handle, 100-pack	—	4.95	4.49



\* Workshop Chemicals — Enter Web Code YAQ

\* Heat Sink Compounds — Enter Web Code YBA

\*\* TroyOunces † Heat sink compound measured by weight

## 3M Tape Products

\* Web Code: TPS

Part No.	Description	Color	Width (ins.)	Length (yards)	Thickness (ins.)	1	10	50
285587	Vinyl electrical tape, Tartan 1710, UL	Black	.75	20	.0070	\$1.19	\$1.09	\$ .99
285464	Vinyl electrical tape, Super 33+, UL	Black	.75	20	.0070	4.95	4.79	4.49
652076	Vinyl electrical tape, Super 35, UL	Red	.75	22	.0070	4.95	4.79	4.49
652092	Vinyl electrical tape, Super 35, UL	Violet	.75	22	.0070	4.95	4.79	4.49
652105	Vinyl electrical tape, Super 35, UL	White	.75	22	.0070	4.95	4.79	4.49
652113	Vinyl electrical tape, Super 35, UL	Brown	.75	22	.0070	4.95	4.79	4.49
652130	Vinyl electrical tape, Super 35, UL	Blue	.75	22	.0070	4.95	4.79	4.49
652148	Vinyl electrical tape, Super 35, UL	Green	.75	22	.0070	4.95	4.79	4.49
652156	Vinyl electrical tape, Super 35, UL	Yellow	.75	22	.0070	4.95	4.79	4.49
652172	General purpose masking tape, Scotch	Tan	.95	60	.0060	6.95	6.49	5.95
652068	Duct tape 3900, economy grade	Silver	2.0	60	.0077	9.95	8.95	7.95
285907	Double sided foam tape	White	1.0	4	.1250	15.95	14.95	13.95
652050	Rubber splicing tape, 130C linerless	Black	.75	10	.0300	15.95	13.49	12.95
645159	Vinyl tape, clean removal	Red	2.0	36	.0051	27.95	24.95	22.49
651882	Safety stripe tape	Yellow/Black	2.0	36	.0050	37.95	35.49	32.95



\* For Complete Specs & Additional Product Listings Search [www.Jameco.com/More](http://www.Jameco.com/More) and Enter Web Code Listed Above

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