

Lab and Field Meters

CATALOG

Always be with customers, we've supplied advanced equipments of water analyzer



istek, Inc. is a leading

Korean manufacturer and

specialist of lab and process

analytical instruments

for water quality...

History

2009 06 Re-Appointed as "Bright prospective export company" from the Korea Small & Medium Business Administration
02 Appointed "Korea superior environmental company" from Ministry of Environment

2008 07 Registration of Information and Communication Construction Company

2007 11 Awarded Form Recognition about pH Controller from National Institute of Environmental Research
03 Awarded "Good product for supplying to the Korean supply administration"
"Gas Permeable Membrane Type Residual Chlorine Analyzer (Part no. RC-500)" (Certificate No.; 2007028)
03 Certificate of Performance "Gas Permeable Membrane Type Residual Chlorine Analyzer
(Part no. RC-500)" (Certificate No.; 11-115)

2006 11 Certificate of New Excellent Product (NEP), "Gas Permeable
Membrane Type Residual Chlorine Analyzer (Part no. RC-500)"
(Certificate no.; NEP-MOCIE-2006-089)
04 Renewed"CE mark" for PDC-70N, pH-200L and pH-20N

2005 10 Awarded "Certificate of Good industrial Design" from "Korea Institute of design promotion"
10 Awarded "Certificate of Good design(GDI)" from "Korea Institute of design promotion"
10 Be reselected as "innovative technology company(INNO-BIZ Company)" from Korea government
08 Appointed as "Bright prospective export company" from Korea small & medium business administration(2005-63)
07 Acquired approval of residual Chlorine with "Gas transmitted
membrane type 3-electrode" (National environmental laboratory)
06 Appointed "Manage-consulting innovation project with a coupon" supporting enterprise by Korea government
04 Appointed "Korea superior environmental company" from Ministry of Environment
04 Appointed "innovative technology development business" from Korea small & medium business administration
(Subject name: Remote controlled bio sensor technology
and developed equipment in a heavy metal of extremely small
quantities(gob-ppt) Period: 1st Apr, 2005 - 31st Mar, 2007)

2004 09 Registered a service mark "Istek" (No. 0106360)
07 Registered a trademark "SOWA" (No. 0588661)
02 Applied a patent regarding "Water analysis equipment & method" by capturing image

2003 11 Awarded Form recognition about "COD 200Min"
11 Applied a patent registered about "General Water analyzing technology by using computer monitoring system"
08 Certified ISO 9001:2000 BQR (ISO 9001:2000 & KS A 9001:2001)
05 Moved head office to Guro-dong, Seoul

2002 12 Concluded "3rd agreement on istek model's price" with Korea supply administration
12 Awarded "innovative technology company(INNO-BIZ Company)" from Korean government
12 Registered as a utility model "Water Analyzing system" (No. 0277970)
11 Awarded "Participant of utilizing the new technology" from Korea Ministry of commerce, industry and energy
09 Obtained "Authority of 6th industrial technology business"
08 Awarded "Good product for supplying to the Korean supply administration"
07 Awarded "Good product for supplying to the Korean supply administration"
05 Appointed "Korea superior environmental company" from Ministry of Environment
03 Renewed "Authorization of venture business Award"
"Certificate of Korean Technology mark(KT)" Developing new portable total
water analyzer using Multi-flexer

2001 10 Appointed as "Superior company in technology innovative development project"
from Korea small & medium business administration
06 Completed innovative technology development mission with Korea small & medium business administration

2000 07 Appointed as "Bright prospective company" from Korea small business cooperation,
07 Appointed as "Bright prospective export company" from Korea small & medium business administration
04 Applied a patent regarding "Auto water analyzing system using computer"
04 Applied a patent regarding "Multi-channel pH/ion measuring system using computer"
03 Applied a patent regarding "Total water measuring system using wireless communication transmitter"
03 Appointed as "Participant of project on Export ability increasing"
02 Appointed as "Recipient of export supporting project"
01 Awarded "Excellent company of technical competitive power"

1999 11 Awarded "The certificate of innovation business from Small & medium business administration"
10 Awarded "The new technology prize from Korea supply administration")
09 Obtained "The certificate of excellent quality product"

1998 12 Registered a trade mark with the patent office
09 Obtained "CE mark" (TT-P-G155/97-00)

1996 12 Registered Istek's manufacturing factory
10 Established

NeoMet Series

- 04 Portable pH/ISE/ORP/mV/Temp Meter - Model pH-20N, pH-25N
- 06 Portable DO/O₂/Air/Temp Meter - Model DO-30N
- 07 Portable Conductivity/Salinity/TDS/Temp Meter - Model EC-40N
- 08 Portable Multi(pH/ISE/DO/Conductivity) Meter - Model CP-50N, PD-60N, CPD-65N, PDC-70N
- 10 Laboratory Type pH/ISE/ORP/mV/Temp Meter - Model pH-200L, pH-220L, pH-240L
- 12 Laboratory Type pH/ISE/ORP/mV/Temp Meter - Model pH-250L, pH-270L, pH-290L
- 14 Laboratory Type DO/O₂/Air/pO₂/Temp Meter - Model DO-300L, DO-350L
- 16 Laboratory Type Conductivity/Salinity/TDS/Resistivity/Temp Meter - Model EC-400L, EC-450L, EC-470L
- 18 Laboratory Type Multi(pH/ISE/DO/Conductivity) Meter - Model CP-500L, PD-600L, PDC-700L



EcoMet Series

- 20 Portable pH/ORP/mV Temp Meter - Model P15, O15
- 21 Portable DO Meter, EC Meter, Salinity Meter - Model D35, C65, S60
- 22 Laboratory Type pH/mV Temp Meter, DO Meter, EC Meter - Model P25, D45, C75



SOWA Series

- 24 pH/ORP/DO/Conductivity/Temp Controller - Model pH910, DO920, EC930
- 26 Turbidity/Suspended Solids(SS)/Temp Controller - Model TURB-300, SS-600
- 28 Chemical Oxygen Demand - Model COD200Mn
- 29 Residual chlorine concentration, Water Analyzing System - RC500, Multy100



Electrode

- 30 pH and ORP Electrodes
- 33 ISE Electrodes
- 40 DO, EC Electrodes
- 41 Industrial Process Electrodes



SDIS

- 44 Serial Data Interface Software

Others

- 45 Others



Portable

NeoMet Series

NEOMET is a combination of the word "NEO" meaning 'new, modern' and "MET" short for 'Meter' and with Istek's avant-garde technology with excellence in precision, stability, functionality, it is the unique brand of Istek's portable & lab measuring device



Portable pH/ISE Meter

pH/mV/ORP/Temp Meter

Portable Meter



GD DESIGN



- Wide and vivid Custom LCD
- Waterproof housing
- Fast, accurate and easy to use, RS232C Communication
- Simultaneous display of pH, Temp and current time
- Auto Calibration with choice of buffer
- Automatic compensation for Temp
- Self diagnostics
- Low Battery Alarm, Rechargeable Battery
- Fitted with supporter for in Lab
- Mark stability of calibration result
- Certificate CE, GD, ISO9001

pH-20N (Portable pH Meter)

pH/ISE/mV/ORP/Temp Meter

Portable Meter



GD DESIGN



- Wide and vivid Custom LCD
- Waterproof housing
- Fast, accurate and easy to use, RS232C Communication,
- Simultaneous display of pH, Temp and current time,
- Auto Calibration with choice of buffer
- Automatic compensation for Temp
- Self diagnostics
- Low Battery Alarm, Rechargeable Battery
- Fitted with supporter for in Lab
- Mark stability of calibration result
- Mark measuring Ion density with mg/L
- Certificate CE, GD, ISO9001

pH-25N (Portable pH/ISE Meter)



Model		pH-20N (pH/mV/ORP/Temp)	pH-25N (pH/ISE/mV/ORP/Temp)
pH	Range	-2.00 to 19.99	-2.000 to 19.999
	Resolution	0.01 / 0.1	0.001/0.01 / 0.1
	Relative Accuracy	±0.02	±0.002
Concentration (ISE)	Range		0.0001 to 19.999mg/l
	Resolution	x	0.001
	Relative Accuracy		±0.25% of reading
Temperature	Range	-10 to 110℃	-10 to 110℃
	Resolution	0.1℃	0.1℃
	Relative Accuracy	±0.4℃	±0.4℃
Millivolts (Rel-mV)	Range	±1999.9mV	±1999.9mV
	Resolution	0.1mV	0.1mV
	Relative Accuracy	±0.1mV	±0.1mV
Calibration Points		Auto(3)/Manual(3)	
Inputs		BNC, ATC, Power, RS232C	
Slope		80 to 120%	
Temperature Compensation		Auto	
Datalog		100 Points	
Print Capability		Yes	
Display		Custom LCD	
Outputs		RS232C(Computer/Printer)	
Power		Rechargeable Battery & AC/DC Power Adaptor	
Dimensions / Weight		220(L)x80(W)x40(H)/450g(Body)	
Certificate / Waterproof Rating		ISO9001, CE, GD / IP66	
Accessories [Standard]		<ul style="list-style-type: none"> • Combination pH Electrode/ATC Probe (#5733528) • Buffer Solution (pH 4.00, 7.00, 10.00)125ml • Rechargeable Battery & AC/DC Power Adaptor • Instruction Manual • Carrying Case 	
Accessories [Option]		<ul style="list-style-type: none"> • Electrode Storage Solution • Electrode Filling Solution • Buffer Solution (pH 4.00, 7.00, 10.00) 475ml • RS232C Interface Cable • Printer 	

Portable

NeoMet Series

NEOMET is a combination of the word "NEO" meaning 'new, modern' and "MET" short for 'Meter' and with Istek's avant-garde technology with excellence in precision, stability, functionality, it is the unique brand of Istek's portable & lab measuring device



Portable Dissolved Oxygen Meter

- Wide and vivid Custom LCD
- Waterproof(IP66) housing
- Fast, accurate and easy to use, RS232C Communication
- Simultaneous display of DO(O₂/AIR), Temp and current time
- Automatic compensation for Temperature
- Automatic compensation for salinity and barometric pressure
- Using high sensitive polarographic type DO sensor
- Self diagnostics, Low Battery Alarm, Rechargeable Battery
- Fitted with supporter for in Lab
- Mark stability of calibration result
- Mark measuring Ion density with mg/L
- Fitted with supporter for using in Lab
- Certificate CE, GD, ISO9001

Model		DO-30N (DO/O ₂ /Air/Temp)
DO	Range	0.00 to 19.99mg/ℓ
	Resolution	0.1 / 0.01
	Relative Accuracy	±0.5%
O₂	Range	0.0 to 60.0%
	Resolution	0.1%
	Relative Accuracy	±1 digit
Air Saturation (%)	Range	0.0 to 199.9%
	Resolution	0.1%
	Relative Accuracy	±1 digit
Temperature	Range	-10 to 60℃
	Resolution	0.1℃
	Relative Accuracy	±0.4℃
Salinity Correction		0 to 70ppt
Altitude Correction		0 to 4000m
Datalog		100 Points
Temperature Compensation		Auto
Print Capability		Yes
Display		Custom LCD
Outputs		RS232C(Computer/Printer)
Power		Rechargeable Battery & AC/DC Power Adaptor
Dimensions / Weight		220(L)x80(W)x40(H)/450g(Body)
Certificate / Waterproof Rating		ISO9001, CE, GD / IP66
Accessories [Standard]		<ul style="list-style-type: none"> • DO Polarograph Electrode/ATC Probe • DO Membrane & Filling Solution • Rechargeable Battery & AC/DC Power Adaptor • Instruction Manual • Carrying Case
Accessories [Option]		<ul style="list-style-type: none"> • DO Membrane Kit • RS232C Interface Cable • Printer





Portable Conductivity Meter

- Wide and vivid Custom LCD
- Waterproof housing
- Fast, accurate and easy to use, RS232C Communication
- Auto hold, Selectable cell constant, Auto ranging (uS/cm, ms/cm)
- Automatic compensation for Temp
- Self diagnostics
- Fitted with supporter for in Lab
- Certificate CE, GD, ISO9001



NEOMET

NEOMET is a combination of the word "NEO" meaning 'new, modern' and "MET" short for 'Meter' and with Istek's avant-garde technology with excellence in precision, stability, functionality, it is the unique brand of Istek's portable & lab measuring device

Model		EC-40N (Conductivity/Salinity/TDS/ Temp)
Conductivity	Range	0 to 199,999µS/cm
	Resolution	0.01 / 0.1 (Auto)
	Relative Accuracy	±0.5%
Salinity	Range	0.0 to 80.0ppt
	Resolution	0.1
	Relative Accuracy	±0.1
TDS	Range	0~1999mg/ℓ
	Resolution	1mg/ℓ
	Relative Accuracy	±2%
Temperature	Range	-10 to 110℃
	Resolution	0.1℃
	Relative Accuracy	±0.4℃
Datalog		100 Points
Display		Custom LCD
Temperature Compensation		Auto
Print Capability		Yes
Inputs		BNC, ATC, Power, RS232C
Outputs		RS232C (Computer / Printer)
Power		Rechargeable Battery & AC/DC Power Adaptor
Dimensions / Weight		220(L)x80(W)x40(H)/450g(Body)
Certificate / Waterproof Rating		ISO9001, CE, GD / IP66
Accessories [Standard]		<ul style="list-style-type: none"> • Conductivity Cell(K=1.0)/ATC Probe(#5731302-31) • Conductivity Standard Solution 1413µS/cm125ml • Rechargeable Battery & AC/DC Power Adaptor • Instruction Manual • Carrying Case
Accessories [Option]		<ul style="list-style-type: none"> • EC Cell/ATC Probe(K=1, K=0.1, K=0.01, K=10) • Conductivity Standard Solution (146.9µS/cm, 1413µS/cm, 6.67mS/cm, 12.89mS/cm, 111.9mS/cm 125ml or 475ml) • RS232C Interface Cable • Printer

Portable

NeoMet Series

Portable Multi Meter



pH(ISE)/Conductivity/Temp Meter

pH(ISE)/DO/Temp Meter

pH(ISE)/DO/Conductivity/Temp Meter

Portable Meter

CP-50N / PD-60N
CPD-65N

- Able to measure pH/DO/EC through changing electrode.
- Waterproof(IP66) housing, Backlit custom LCD display
- Fast, accurate and easy to use, RS 232C communication
- Automatic pH buffer Recognition
- Two-way R232C Communications
- Ion Concentration Measurement in mg/L
- Automatic Temperature Compensation (ATC)
- Internal Diagnosis for normal Operation Check
- Precise Measurement with Cell constant Designation
- Automatic compensation for salinity and barometric pressure
- Most recent Calibration Data use for direct Measurement
- Automatic/manual Calibration for simple and convenient Use
- Automatic Power-off for saving Battery
- Low Battery Alarm
- Data-log up to 100 Points, Auto power-off
- Certificate CE mark, GD mark, ISO 9001



Portable Multi Meter

Portable Meter

PDC-70N

(Portable Multi Meter)



- Industrial electrodes (pH/DO/EC) are used
- Waterproof(IP66) housing, Backlit graphic LCD display
- Cable length can be adjusted on request (Std 3M, Max 100M)
- Fast, accurate and easy to use, Auto hold
- Depth of water 10M(Max), Data-log up to 210 points
- Measure and display of pH(ISE), DO and EC simultaneously
- Fast, Accurate and easy to install, Auto buffer choice
- Selectable cell constant, Auto ranging
- Automatic compensation for Temp and barometric pressure
- Auto power-off, Self diagnostics, Low Battery Alarm
- Rechargeable Battery, RS 232C communication
- Certificate CE mark, GD Mark, ISO9001, KT Mark



Application

Industrial water, Aqua cultural water,
Supplying water and Ground water

Model	CP-50N (pH(ISE)/Conductivity/Temp)	PD-60N (pH(ISE)/DO/Temp)	CPD-65N (pH(ISE)/DO/Conductivity/Temp)	PDC-70N (pH(ISE)/DO/Conductivity/Temp)
pH	-2.000 to 19.999pH		0.001/0.01/0.1	±0.002
Concentration (ISE)	0.0001 to 19.999mg/ℓ		0.001	±0.25% of reading
Millivolts (Rel-mV)	±1999.9mV		0.1	±0.1
DO	X	0.00 to 19.99mg/ℓ		0.01/0.1 ±0.5%
O₂	X	0.0 to 60.0%		0.1% ±1 digit
Conductivity	0 to 199,999µS/cm 0.01/0.1 ±0.5%	X	0 to 199,999µS/cm 0.01/0.1 ±0.5%	
TDS	0 to 1999mg/ℓ 1mg/ℓ ±2%	X	0 to 1999mg/ℓ 1mg/ℓ ±2%	
Salinity	0.0 to 80.0ppt 0.1 ±0.1	X	0.0 to 80.0ppt 0.1 ±0.1	
Temp. Compensation	Auto			
Calibration	pH/mV : Auto/Manual, ISE/DO/O ₂ /EC : Auto			
Datalog	100 Points			210 Points
Print Capability	Yes			Yes
Display	Custom LCD			Graphic LCD
Inputs	8Pin , ATC, Power, RS232C			8Pin Din Waterproof
Outputs	RS232C (Computer / Printer)			
Power	Rechargeable Battery & AC/DC Power Adaptor			
Dimensions / Weight	220(L)x80(W)x40(H)/450g(Body)			
Certificate	ISO9001, GD, CE			
Waterproof Rating	IP66			
Accessories [Standard]	<ul style="list-style-type: none"> • Combination pH Epoxy Body Electrode/ATC Probe • Buffer Solution (pH 4, 7, 10)125ml • Rechargeable Battery & AC/DC Power Adaptor • Instruction Manual • Carrying Case 			
Accessories [Option]	CP-50N	<ul style="list-style-type: none"> • EC Cell/ATC Probe (K=1, K=0.1, K=0.01, K=10) • Electrode Storage Solution • Buffer Solution (4,7,10)475ml • Exterior Thermal Printer • EC Standard Solution • Electrode Filling Solution • RS232C Interface Cable 		
	PD-60N	<ul style="list-style-type: none"> • DO Polarograph Electrode/ATC Probe • BOD Adaptor • Electrode Filling Solution • RS232C Interface Cable • DO Membrane Kit • Electrode Storage Solution • Buffer Solution (4,7,10)475ml • Exterior Thermal Printer 		
	CPD-65N	<ul style="list-style-type: none"> • DO Polarograph Electrode/ATC Probe • BOD Adaptor and Bottle • EC Standard Solution • Electrode Filling Solution • RS232C Interface Cable • DO Membrane Kit • EC Cell/ATC Probe (K=1, K=0.1, K=0.01, K=10) • Electrode Storage Solution • Buffer Solution(4,7,10)475ml • Exterior Thermal Printer 		
	PDC-70N	<ul style="list-style-type: none"> • DO Membrane Kit • EC Standard Solution • Buffer Solution(4,7,10)475ml • EC Cell/ATC Probe (K=1, K=0.1, K=0.01, K=10) • Electrode Storage Solution • Paper 		

Laboratory

NeoMet Series

Laboratory pH /ISE Meter

pH-200L (Laboratory pH Meter)

pH/mV/Temp Meter

Laboratory Meter



- Wide & clear backlit custom LCD display
- Fast, accurate and easy to use, RS 232C communication
- Simultaneous display of pH(mV), temp and current time
- Auto(Manual) calibration with choice of buffer(3points)
- Automatic compensation for Temperature
- Available measure by using latest calibration data
- Self diagnostics, Auto-hold, Data-log up to 100 Points
- Certificated CE mark, ISO 9001

pH-220L (Laboratory pH /ORP Meter)

pH/mV/ORP/Temp Meter

Laboratory Meter

- Wide & clear backlit custom LCD display
- Fast, accurate and easy to use, RS 232C communication
- Simultaneous display of pH(mV), temp and current time
- Auto(Manual) calibration with choice of buffer(3points)
- Automatic compensation for Temperature
- Available measure by using latest calibration data
- Self diagnostics, Auto-hold, Data-log up to 100 Points
- Certificated CE mark, ISO 9001



pH-240L (Laboratory pH /ISE Meter)

pH/ISE/mV/ORP/Temp Meter

Laboratory Meter



- Wide & clear backlit custom LCD display
- Fast, accurate and easy to use, RS 232C communication
- Simultaneous display of pH(mV), temp and current time
- Auto(Manual) calibration with choice of buffer(3points)
- Automatic compensation for Temperature
- Available measure by using latest calibration data
- Self diagnostics, Auto-hold, Data-log up to 100 Points
- Certificated CE mark, ISO 9001

Model		pH-200L (pH/mV/Temp)	pH-220L (pH/mV/ORP/Temp)	pH-240L (pH/ISE/mV/ORP/Temp)
pH	Range	-2.00 to 19.99	-2.000 to 19.999	
	Resolution	0.01	0.001 / 0.01 / 0.1	
	Relative Accuracy	±0.02	±0.002	
	Auto-Buffer-Recognition	4.00, 7.00, 10.00	4.00, 7.00, 10.00	
Concentration (ISE)	Range	X		0.0001 to 19.999mg/ℓ
	Resolution			0.001
	Relative Accuracy			±0.25% of reading
Millivolts	Range	±1999.9mV		
	Resolution	0.1mV		
	Relative Accuracy	±0.1mV		
Relative Millivolts	Range	X	±1999.9mV	
	Resolution		0.1mV	
	Relative Accuracy		±0.1mV	
Temperature	Range	-10 to 110℃		
	Resolution	0.1℃		
	Relative Accuracy	±0.4℃		
Calibration Points		Auto(3) / Manual(3)		Auto(3) / Manual(5)
Inputs		BNC, ATC, Power, RS232C		
Slope		80 to 120%		
Temperature Compensation		Auto		
Datalog		100 Points		
Print Capability		Yes		
Display		Custom LCD		
Outputs		RS232C(Computer/Printer)		
Power		AC/DC Power Adaptor		
Dimensions / Weight		200(L)x260(W)x90(H)/950g(Body)		
Certificate		ISO9001, CE		
Accessories [Standard]		<ul style="list-style-type: none"> • Combination pH Electrode(#5733526) • ATC Probe • Buffer Solution (pH 4.00, 7.00, 10.00)125ml • AC/DC Power Adaptor • Instruction Manual • Luxury Third-Arm Stand 		
Accessories [Option]		<ul style="list-style-type: none"> • Electrode Storage Solution • Electrode Filling Solution • Buffer Solution (pH 4.00, 7.00, 10.00)475ml • RS232C Interface Cable • Exterior Thermal Printer 		

Laboratory

NeoMet Series

Laboratory pH/ISE Meter

pH-250L (Laboratory pH/ISE Meter)

pH/ISE/mV/ORP/Temp Meter

Laboratory Meter

- Wide & clear backlit graphic color LCD display
- Fast, accurate and easy to use, RS 232C communication
- Simultaneous display of pH(mV,ISE), temp and current time
- Auto(Manual) calibration with choice of buffer(3points)
- Automatic compensation for Temp, Alarm sound at high/low limit,
- Available measure by using latest calibration data
- Self diagnostics, Auto-hold, Data-log up to 500 Points
- Certificated CE mark, ISO 9001, Built-in printer (Option)
- Upload the data in Excel format to PC by RS232C cable (SDIS-Option)



Printer(Option)

pH-270L (Laboratory pH/ISE Meter)

pH/ISE/mV/ORP/Temp Meter

Laboratory Meter

[Dual Electrode Inputs and Simultaneous Display]

- Wide & clear backlit graphic color LCD display
- Fast, accurate and easy to use, RS 232C communication
- Automatic compensation for Temp, Alarm sound at high/low limit,
- Available measure by using latest calibration data
- Simultaneous display of pH(mV, ISE), temp and current time
- Auto(Manual) calibration with choice of buffer(3points)
- Self diagnostics, Auto-hold, Data-log up to 500 Points
- Certificated CE mark, ISO 9001, Built-in printer (Option)
- Upload the data in Excel format to PC by RS232C cable (SDIS-Option)



pH-290L (Laboratory pH/ISE Meter)

pH/ISE/mV/ORP/Temp Meter

Laboratory Meter

[Triple Electrode Inputs and Simultaneous Display]

- Wide & clear backlit graphic color LCD display
- Fast, accurate and easy to use, RS 232C communication
- Simultaneous display of pH(mV, ISE), temp and current time
- Auto(Manual) calibration with choice of buffer(3points)
- Automatic compensation for Temp, Alarm sound at high/low limit,
- Available measure by using latest calibration data
- Self diagnostics, Auto-hold, Data-log up to 500 Points
- Certificated CE mark, ISO 9001, Built-in printer (Option)
- Upload the data in Excel format to PC by RS232C cable (SDIS-Option)



Model		pH-250L (pH/ISE/mV/ORP/Temp)	pH-270L (pH/ISE/mV/ORP/Temp(Dual Display))	pH-290L (pH/ISE/mV/ORP/Temp(Triple Display))
pH	Range	-2.000 to 19.999		
	Resolution	0.001 / 0.01 / 0.1		
	Relative Accuracy	±0.002		
	Auto-Buffer-Recognition	2.00, 4.00, 7.00, 10.00, 12.00		
Concentration (ISE)	Range	0.0001 to 19.999mg/ℓ		
	Resolution	0.001		
	Relative Accuracy	±0.25% of reading		
Millivolts	Range	± 1999.9mV		
	Resolution	0.1mV		
	Relative Accuracy	±0.1mV		
Relative Millivolts	Range	± 1999.9mV		
	Resolution	0.1mV		
	Relative Accuracy	±0.1mV		
Temperature	Range	-10 to 110℃		
	Resolution	0.1℃		
	Relative Accuracy	±0.4℃		
Calibration Points		Auto(5) / Manual(5)		
Inputs		BNC, ATC, Power, RS232C	Two BNC, Two ATC, Power, RS232C	Triple BNC, Triple ATC, Power, RS232C
Slope		80 to 120%		
Temperature Compensation		Auto		
Datalog		Data-log up to 500 Points, SDIS(Self diagnostics)		
Print Capability		Yes		
Display		Graphic Color LCD		
Outputs		RS232C(Computer/Printer)		
Power		AC/DC Power Adaptor		
Buit in Printer (Option)		Yes		
SDIS (Option)		Yes		
Dimensions / Weight		200(L)x260(W)x90(H)/950g(Body)		
Channel		Single	Dual	Triple
Certificate		ISO9001, CE		
* SDIS(Serial Data Interface Software) : Upload the data in Excel format to PC by RS232C cable (SDIS-Option)				
Accessories [Standard]		<ul style="list-style-type: none"> • Combination pH Electrode(#5773504) • ATC Probe • AC/DC Power Adaptor • Buffer Solution (pH 4.00, 7.00, 10.00)125ml • Instruction Manual • Luxury Third-Arm Stand 		
Accessories [Option]		<ul style="list-style-type: none"> • Electrode Storage Solution • Electrode Filling Solution • Buffer Solution (pH 4.00, 7.00, 10.00)475ml • SDIS Program & RS232C Interface Cable • Printer 		

Laboratory • • • • •

NeoMet Series



Laboratory Dissolved Oxygen Meter

DO-300L

(Laboratory Dissolved Oxygen Meter)

DO/O₂/Air/Temp Meter

- Wide & clear backlit custom LCD display
- Fast, accurate and easy to use, RS 232C communication
- Simultaneous display of DO(O₂/Air), temp and time
- Automatic compensation for Temperature
- Using high sensitive Polarograph type DO sensor
- Auto compensation for temp and barometric pressure
- Available measure by using latest calibration data
- Self diagnostics, Auto Hold, Data-log up to 100 Points
- Certificated CE mark, ISO 9001



DO-350L

(Laboratory Dissolved Oxygen Meter)

DO/O₂/Air/pO₂/Temp Meter

- Wide and Clear Color Graphic LCD illuminated
- Fast, accurate and easy to use, RS232C communication
- Simultaneous display of DO(O₂/Air /pO₂), temp and current time,
- Automatic compensation for Temp, Alarm sound at high/low limit,
- Using high sensitive polarograph type Do sensor
- Automatic compensation for temp and barometric pressure
- Available measuring by using latest calibration data
- Self diagnostics, Auto-hold, Data-log up to 500 Points
- Certificated CE mark, ISO 9001, Built-in printer (Option)
- Upload the data in Excel format to PC by RS232C cable (SDIS-Option)



[SDIS Program]



⊗ Printer Option

Model		DO-300L (DO/O ₂ /Air/Temp)	DO-350L (DO/O ₂ /Air/pO ₂ /Temp)
DO	Range	0.00 to 19.99mg/ℓ	0.0 to 19.99mg/ℓ
	Resolution	0.1/0.01	0.1/0.01
	Relative Accuracy	±0.5%	±0.5%
O ₂	Range	0.0 to 60.0%	0.0 to 60.0%
	Resolution	0.1%	0.1%
	Relative Accuracy	±1 digit	±1 digit
Air Saturation (%)	Range	0.0 to 199.9%	0.0 to 199.9%
	Resolution	0.1%	0.1%
	Relative Accuracy	±1 digit	±1 digit
Temperature	Range	-10 to 60℃	-10 to 60℃
	Resolution	0.1℃	0.1℃
	Relative Accuracy	±0.4℃	±0.4℃
Salinity Correction		0 to 70ppt	0 to 70ppt
Altitude Correction		0 to 4000m	0 to 4000m
Datalog		100 Points	Data-log up to 500 Points , SDIS(Self diagnostics)
Display		Custom LCD	Graphic Color LCD
Temperature Compensation		Auto	
Print Capability		Yes	
Inputs		BNC, ATC, Power, RS232C	
Outputs		RS232C(Computer/Printer)	
Power		AC/DC Power Adaptor	
Built in Printer (Option)		X	Yes
SDIS* (Option)		X	Yes
Dimensions / Weight		200(L)x260(W)x90(H)/950g(Body)	
Certificate		ISO9001, CE	
* SDIS(Serial Data Interface Software : Upload the data in Excel format to PC by RS232C cable (SDIS-Option))			
Accessories [Standard]		<ul style="list-style-type: none"> • DO Polarograph Electrode/ATC Probe(#023IP15G) • DO Membrane&Filling Solution • AC/DC Power Adaptor • Instruction Manual • Luxury Third-Arm Stand 	
Accessories [Option]		<ul style="list-style-type: none"> • DO Membrane Kit • BOD Adaptor • RS232C Cable • Thermal Printer 	<ul style="list-style-type: none"> • DO Membrane Kit • BOD Adaptor • SDIS Program&RS232C Cable • Printer

Laboratory

NeoMet Series

Laboratory Conductivity Meter

EC-400L (Laboratory Conductivity Meter)



Conductivity/Salinity/Temp Meter

- Wide & Clear backlit custom LCD
- Fast, accurate and easy to use
- Simultaneous display of EC(Salinity/Tds), Temp and current time
- Selectable cell constant, Auto ranging
- Automatic compensation for Temperature
- Data-log up to 100 Points, Self Diagnostics
- RS 232C communication, Auto Hold
- Certificated CE mark, ISO 9001

EC-450L (Laboratory Conductivity Meter)

Conductivity/Salinity/Temp Meter

L a b o r a t o r y M e t e r

- Wide & clear backlit graphic color LCD display
- Fast, accurate and easy to use, Auto hold
- Simultaneous display of EC(Salinity/TDS), temp and current time
- Selectable cell constant, Automatic compensation for Temp
- Alarm displays at high/low limit, Auto ranging
- Data-log up to 500 Points, Self diagnostics
- RS232C communication, Built-in printer(Option)
- Certificate CE mark, ISO 9001
- Upload the data in Excel format to PC by RS232C(SDIS-Option)



EC-470L (Laboratory Conductivity Meter)

Conductivity/TDS/Salinity/Resistivity/Temp Meter

- Wide & clear backlit graphic color LCD display
- Fast, accurate and easy to use, Auto hold
- Simultaneous display of EC(Salinity/TDS), temp and current time
- Selectable cell constant, Automatic compensation for Temp
- Alarm displays at high/low limit, Auto ranging
- Data-log up to 500 Points, Self diagnostics
- RS232C communication, Built-in printer(Option)
- Certificate CE mark, ISO 9001
- Upload the data in Excel format to PC by RS232C(SDIS-Option)



Model		EC-400L (Conductivity/Salinity/Temp)	EC-450L (Conductivity/Salinity/Temp)	EC-470L (Conductivity/TDS/Salinity/Resistivity/Temp)
Conductivity	Range	0 to 199,999µS/cm		
	Resolution	0.01 / 0.1 (Auto)		
	Relative Accuracy	±0.5%		
TDS	Range			0 to 1999mg/ℓ
	Resolution	X		1mg/ℓ
	Relative Accuracy			±2%
Salinity	Range	0.0 to 80.0ppt		
	Resolution	0.1		
	Relative Accuracy	±0.1		
Temperature	Range	-10 to 110℃		
	Resolution	0.1℃		
	Relative Accuracy	±0.4℃		
Resistivity		X		5 Ω xcm to 100M Ω xcm
Datalog		100 Points	Data-log up to 500 Points ,SDIS (Self diagnostics)	
Display		Custom LCD	Graphic Color LCD	
Temperature Compensation		Auto		
Print Capability		Yes		
Inputs		BNC, ATC, Power, RS232C		
Outputs		RS232C (Computer / Printer)		
Power		AC/DC Power Adaptor		
Built in Printer (Option)		X	Yes	
SDIS* (Option)		X	Yes	
Dimensions / Weight		200(L)x260(W)x90(H)/950g(Body)		
Certificate		ISO9001, CE		

* SDIS(Serial Data Interface Software : Upload the data in Excel format to PC by RS232C(SDIS-Option)

Accessories [Standard]	<ul style="list-style-type: none"> • Conductivity Cell(K=1.0)/ATC Probe(#5731302-31) • Conductivity Standard Solution 1413µS/cm 125ml • AC/DC Power Adaptor • Instruction Manual • Luxury Third-Arm Stand 		
Accessories [Option]	<ul style="list-style-type: none"> • EC Cell/ATC Probe (K=1, K=0.1, K=0.01, K=10) • EC Standard Solution • RS232C Cable • Thermal Printer 	<ul style="list-style-type: none"> • EC Cell/ATC Probe (K=1, K=0.1, K=0.01, K=10) • EC Standard Solution • SDIS Program&RS232C Cable • Built-in Printer 	

Laboratory • • • • • NeoMet Series

Laboratory Multi Meter

CP-500L (Laboratory Multi Meter)

pH(ISE)/Conductivity/Temp Meter

Laboratory Meter

[Dual Electrode Inputs and Simultaneous Display]

- Wide and clear backlit graphic color LCD display
- Fast, accurate and easy to use, Auto hold
- Measure and display of pH(ISE) and EC simultaneously
- Fast, Accurate and easy to install, Auto buffer choice
- Selectable cell constant, Auto ranging, Built-in printer (Option)
- Data-log up to 500 points, Alarm displays at high/low limit
- Automatic compensation for Temp and barometric pressure
- Self diagnostics, RS 232C communication
- Certificate CE mark, ISO9001
- Upload the data in excel format to PC by RS232C (SDIS- Option)



PD-600L (Laboratory Multi Meter)

pH(ISE)/DO/Temp Meter

Laboratory Meter

[Dual Electrode Inputs and Simultaneous Display]

- Wide and clear backlit graphic color LCD display
- Fast, accurate and easy to use, Auto hold
- Measure and display of pH(ISE) and DO simultaneously
- Fast, Accurate and easy to install, Auto buffer choice
- Selectable cell constant, Auto ranging, Built-in printer (Option)
- Data-log up to 500 points, Alarm displays at high/low limit
- Automatic compensation for Temp and barometric pressure
- Self diagnostics, RS 232C communication
- Certificate CE mark, ISO9001
- Upload the data in excel format to PC by RS232C (SDIS- Option)



Printer Option

PDC-700L (Laboratory Multi Meter)

pH(ISE)/Conductivity/DO/Temp Meter

[Triple Electrode Inputs and Simultaneous Display]

- Wide and clear backlit graphic color LCD display
- Fast, accurate and easy to use, Auto hold
- Measure and display of pH(ISE) and DO and EC simultaneously
- Fast, Accurate and easy to install, Auto buffer choice
- Selectable cell constant, Auto ranging, Built-in printer (Option)
- Data-log up to 500 points, Alarm displays at high/low limit
- Automatic compensation for Temp and barometric pressure
- Self diagnostics, RS 232C communication
- Certificate CE mark, ISO9001
- Upload the data in excel format to PC by RS232C (SDIS- Option)



Model		CP-500L (pH(ISE)/Conductivity/Temp)	PD-600L (pH(ISE)/DO/Temp)	PDC-700L (pH(ISE)/DO/Conductivity/Temp)
pH	Range		-2.000 to 19.999	
	Resolution		0.001/0.01/0.1	
	Relative Accuracy		±0.002	
	Auto-Buffer-Recognition		2.00, 4.00, 7.00, 10.00, 12.00	
Concentration (ISE)	Range		0.0001 to 19.999mg/ℓ	
	Resolution		0.001	
	Relative Accuracy		±0.25% of reading	
Millivolts (Rel-mV)	Range		±1999.9mV	
	Resolution		0.1	
	Relative Accuracy		±0.1	
DO	Range		0.00 to 19.99mg/ℓ	
	Resolution	X	0.01/0.1	
	Relative Accuracy		±0.5%	
O ₂	Range		0.0 to 60.0%	
	Resolution	X	0.1%	
	Relative Accuracy		±1 digit	
Conductivity (EC)	Range	0 to 199,999µS/cm		0 to 199,999µS/cm
	Resolution	0.01/0.1µS/cm	X	0.01/0.1µS/cm
	Relative Accuracy	±0.5%		±0.5%
TDS	Range	0 to 1999mg/ℓ		0 to 1999mg/ℓ
	Resolution	1mg/ℓ	X	1mg/ℓ
	Relative Accuracy	±2%		±2%
Salinity	Range	0.0 to 80.0ppt		0.0 to 80.0ppt
	Resolution	0.1	X	0.1
	Relative Accuracy	±0.1		±0.1
Resistivity		5 Ω x cm to 100M Ω x cm	X	5 Ω x cm to 100M Ω x cm
Temperature Compensation		Auto		
Calibration		pH/mV : Auto(5 Points) / Manual(5 Points), ISE/DO/O ₂ /EC : Auto		
Datalog		Data-log up to 500 Points , SDIS(Self diagnostics)		
Print Capability		Yes		
Display		Graphic LCD		
Inputs		Dual BNC, ATC		Triple BNC, ATC
Outputs		RS232C (Computer / Printer)		
Power		AC/DC Power Adaptor		
Dimensions / Weight		200(L)x260(W)x90(H)/950g(Body)		
Certificate		ISO9001, CE		
* SDIS(Serial Data Interface Software) : Upload the data in excel format to PC by RS232C (SDIS- Option)				
Accessories [Standard]		<ul style="list-style-type: none"> • Combination pH Electrode(#5773504) • ATC Probe • Buffer Solution (pH 4.00, 7.00, 10.00)125ml 		<ul style="list-style-type: none"> • AC/DC Power Adaptor • Instruction Manual • Luxury Third-Arm Stand
Accessories [Option]		<ul style="list-style-type: none"> • EC Cell/ATC Probe (K=1, K=0.1, K=0.01, K=10) • EC Standard Solution • Electrode Storage Solution • Electrode Filling Solution • Buffer Solution (4,7,10)475ml • SDIS Program & RS232C Interface Cable • Thermal Printer 	<ul style="list-style-type: none"> • DO Polarograph Electrode/ATC Probe • DO Membrane Kit • BOD Adaptor and Bottle • Electrode Storage Solution • Electrode Filling Solution • Buffer Solution (4,7,10)475ml • SDIS Program & RS232C Interface Cable • Thermal Printer 	<ul style="list-style-type: none"> • DO Polarograph Electrode/ATC Probe • DO Membrane Kit • BOD Adaptor and Bottle • EC Cell/ATC Probe (K=1, K=0.1, K=0.01, K=10) • EC Standard Solution • Electrode Storage Solution • Electrode Filling Solution • Buffer Solution(4,7,10)475ml • SDIS Program & RS232C Interface Cable • Thermal Printer

Portable

EcoMet Series

EcoMet is a combination of "Economic" and "Meter" Istek's unique brand of simple and economic lab measuring device



- Clear custom LCD display
- Fast & Accurate and easy to use
- Automatic(2 points) calibration & Buffer recognition
- Simultaneous display of Data and Temperature
- Automatic(Manual) compensation for Temperature

- Clear custom LCD display
- Fast & Accurate and easy to use
- Automatic / Manual Calibration
- Automatic Buffer recognition



Specification	P15 (pH/mV/Temp)	O15 (ORP)
Range	0~14.00pH ±1999.9mV -10~110℃	±1999.9mV
Resolution	0.01pH 0.1mV 0.1℃	0.1mV
Relative Accuracy	±0.02pH ±0.2mV ±0.4℃	±0.5mV
Calibration	Auto 2Points	Auto 1Point
Temperature Compensation	Auto	x
Operating Circumstance	0~50℃, RH95%	
Power	9V Battery x 1 ea	
Dimension/Weight	195(L)x67(W)x25(H)mm / 250g	
Certificate	ISO9001, CE, GD	
Accessories [Standard]	<ul style="list-style-type: none"> • pH Epoxy Body Electrode/ATC Probe • Buffer Solution pH4,7 125ml • 9V Battery, Manual, Case 	<ul style="list-style-type: none"> • ORP Epoxy Body Electrode • Buffer Solution 228mV 125ml • 9V Battery, Manual, Case
Accessories [Optional]	<ul style="list-style-type: none"> • pH Epoxy Body Electrode/ATC Probe • pH Glass Body Electrode/ATC Probe • Buffer Solution pH4,7 125ml or 475ml 	<ul style="list-style-type: none"> • ORP Glass Body Electrode • Buffer Solution 228mV 125ml or 475ml • Buffer Solution 475mV 125ml or 475ml



- Clear custom LCD display
- Fast & Accurate and easy to use
- Automatic calibration
- Simultaneous display of Data and Temperature
- Automatic(Manual) compensation for Temperature
- Easy to use by Automatic O₂ compensation

- Clear custom LCD display
- Fast & Accurate and easy to use
- Automatic calibration & Buffer recognition
- Simultaneous display of Data and Temperature
- Automatic(Manual) compensation for Temperature
- Selectable cell constant for accurate measurement

- Clear custom LCD display
- Fast & Accurate and easy to use
- Automatic calibration & Buffer recognition
- Simultaneous display of Data and Temperature
- Automatic(Manual) compensation for Temperature
- Selectable cell constant for accurate measurement



D35 (DO/O₂/Temp)

0~19.99mg/ℓ
0~60.0%
-10~60℃

0.01mg/ℓ
0.1%
0.1℃

±0.5%
±1 digit
±0.4℃

C65 (Conductivity/TDS/Temp)

0~199,999μS/cm
0~1999mg/ℓ
-10~110℃

0.01μS/cm
1mg/ℓ
0.1℃

0.5% ±1 digit
±0.2%
±0.4℃

S60 (Salinity/Temp)

0~80.0ppt
(0~8%)
-10~110℃

0.1ppt
0.1℃

±0.2%
±0.4℃

Auto

Auto

0~50℃, RH95%

9V Battery x 1 ea

195(L)x67(W)x25(H)mm / 250g

ISO9001, CE, GD

- DO Polarograph Elec./ATC Probe
- Membrane & Filling Solution
- 9V Battery, Manual, Case

- EC Cell/ATC Probe (K=1.0)
- Buffer Solution 1413μS/cm 125ml
- 9V Battery, Manual, Case

- Salinity Cell/ATC Probe(K=10)
- Buffer Solution 3.9ppt 125ml
- 9V Battery, Manual, Case

- Membrane Kit

- Buffer Solution 146.9μS/cm 125ml or 475ml

- Buffer Solution 3.9ppt 125ml or 475ml
- Buffer Solution 35.4ppt 125ml or 475ml

Laboratory

EcoMet Series

EcoMet is a combination of "Economic" and "Meter" Istek's unique brand of simple and economic lab measuring device



pH/mV/Temp Meter



Laboratory Meter

- Clear custom LCD display
- Simultaneous display of pH(mV) with Temp
- Automatic compensation for Temperature,
- Available measure by using latest calibration data,
- Self diagnostics, Auto-hold, Auto-read stable Data,
- Data-log up to 50 Points, RS232C communication,
- Certificated CE mark,

DO/O₂/Temp Meter



Laboratory Meter

- Clear custom LCD display
- Fast & Accurate and easy to use
- Automatic calibration
- Simultaneous display of Data and Temperature
- Automatic(Manual) compensation for Temperature
- Easy to use by Automatic O₂ compensation

Conductivity/Temp Meter



Laboratory Meter

- Clear custom LCD display
- Simultaneous display of Conductivity with Temp
- Automatic compensation for Temperature,
- Available measure by using latest calibration data,
- Self diagnostics, Auto-hold, Auto-read stable Data,
- Data-log up to 50 Points, RS232C communication,



Specification	P25 (pH/mV/Temp)	D45 (DO/O ₂ /Temp)	C75 (Conductivity/Temp)
Range	0~14.00pH ±1999.9mV -10~110℃	0~19.99mg/ℓ 0~60.0% -10~110℃	0~199,999μS/cm -10~110℃
Resolution	0.01pH 0.1mV 0.1℃	0.01mg/ℓ 0.1% 0.1℃	0.01μS/cm 0.1℃
Relative Accuracy	±0.02pH ±0.2mV ±0.4℃	±0.5% ±1digit ±0.4℃	0.5% ±1digit ±0.4℃
Calibration	Auto 3Points	Auto 1Point	Auto 1Point
Temperature Compensation	Auto/Manual		
Operating Circumstance	0~50℃, RH95%		
Data-log	50 Points		
Input	BNC, ATC, Power, RS232C		
Output	RS232C(Computer/Printer)		
Power	AC/DC Power Adaptor		
Dimension/Weight	210x150x90mm / 480g		
Certificate	ISO9001, CE		
Accessories [Standard]	<ul style="list-style-type: none"> pH Epoxy Body Electrode ATC Probe Buffer Solution pH4,7,10 125ml AC/DC Power Adaptor Manual & Stand 	<ul style="list-style-type: none"> DO Polarograph Elec./ATC Probe Membrane & Filling Solution AC/DC Power Adaptor Manual & Stand 	<ul style="list-style-type: none"> EC Cell/ATC Probe(K=1.0) Buffer Solution1413μS/cm125ml AC/DC Power Adaptor Manual & Stand
Accessories [Optional]	<ul style="list-style-type: none"> Electrode Storage Solution Electrode Filling Solution Buffer Solution(pH4,7,10) 125ml or 475ml RS232C Interface Cable Printer 	<ul style="list-style-type: none"> Membrane Kit RS232C Interface Cable Printer BOD Adaptor&Bottle 	<ul style="list-style-type: none"> EC Cell/ATC Probe (K=1, K=0.1, K=0.01, K=10) Standard Solution RS232C Interface Cable Printer

Continuous Monitoring Analyzer(Controller) • • • • •

SO'WA Series



- Microprocessor based on single chip
- Programmable dialogue-Menu for easy operation
- Convenient LCD, LED display (Measure, Calibrate, Data display)
- User password function for protection
- Easy to stop of Relax by 'control-cut' function,
- Low maintenance cost, High/Low alarm setting
- Standard serial communication by connecting with PC(RS232C)
- Sewage & Waste water disposal plant, Filtration, River

Specification	pH910	
	pH	Temp
Range	0.00 ~ 14.00	-5~100°C (Pt100)
Resolution	±0.1	±0.1°C
Calibration	3 Point	-
Response Time	with 10sec	
Control Type	ON/OFF Control (Proportional Control : option)	
Outputs	• Analog output: 4~20mA • Relay output : Two SPDT Relays	• Alarm : One SPDT Relay • Serial output : RS232(RS485:option)
Status Signal	Normal status, Repairing, Calibration, Error, Operation suspended	
Display	Dual display of pH and Temperature	
Enclosure	• Full-protection insulated • Material : Polystyrene	• Waterproof Rating : IP65 • Mounting Method : Wall Mount Type
Dimension	210(W) X 185(H) X 84(D)mm	
Power	AC 110V /220V (50/60Hz)	
Standard Accessories	-Instruction Manual -AC Power Adaptor	
Optional Accessories	• pH Electrode (Lab&Process electrode Reference) • pH Buffer Solution • Cable (Order Custom 10~50m) • Cleaning System (Air, Water Jet, Ultra Sonic)	• ATC Probe • Disposition Type Holder • Relay Box



▲ In-Situ Panel Type



▲ Submersible Holder



▲ Relay Box
(Conn' Box)



▲ Cleaning System
(Ultrasonic)

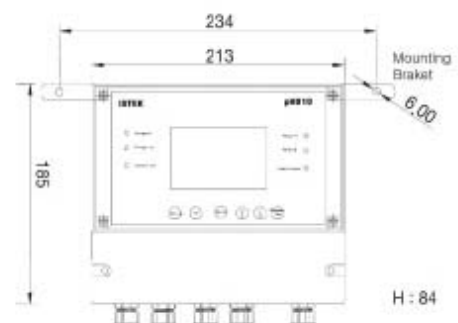
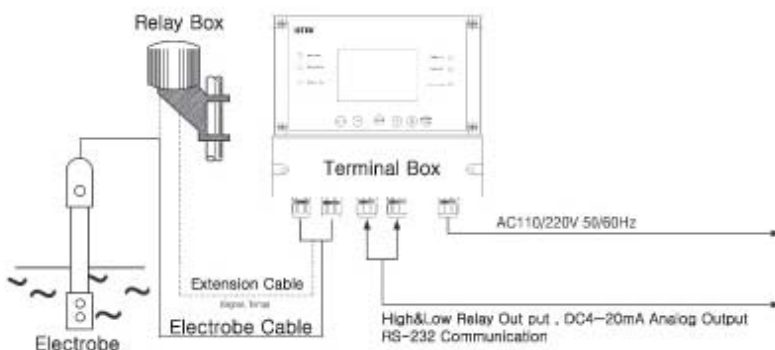
Continuous Monitoring Analyzer(Controller) • • • • •

SOWA Series



- Microprocessor based on single chip
- Programmable dialogue-Menu for easy operation
- Convenient LCD, LED display (Measure, Calibrate, Data display)
- User password function for protection
- Easy to stop of Relax by "control-cut" function.
- Low maintenance cost, High/Low alarm setting
- Standard serial communication by connecting with PC(RS232C)
- Sewage & Waste water disposal plant, Filtration, River

Specification	DO920 (Dissolved Oxygen Controller)		EC930 (Conductivity Controller)	
	DO	Air	Conductivity	Salinity
Range	0.00 ~ 19.99ppm	0.00 ~ 199.9%	0 ~ 199,999 μ S/cm	0.0 ~ 80.0ppt
Repeatability	± 0.3 mg/ ℓ	± 1	$\pm 0.5\%$	± 0.1
Calibration	1 Point		1 Point	
Temperature	-5 ~ 60 $^{\circ}$ C (PT100 Ω)		-5 ~ 100 $^{\circ}$ C (PT100 Ω)	
Response Time	within 1 Min		within 10 Sec.	
Control Type	ON/OFF Control (Proportional Control : option)			
Outputs	<ul style="list-style-type: none"> • Analog output : 4~20mA • Alarm : One SPDT Relay 		<ul style="list-style-type: none"> • Relay output : Two SPDT Relays • Serial output : RS232(RS485:option) 	
Status Signal	Normal Status, Repairing, In Calibration, Error, Operation Suspended			
Display	Dual display of DO(EC) and Temperature			
Enclosure	<ul style="list-style-type: none"> • Full-protection insulated • Material : Polystyrene 		<ul style="list-style-type: none"> • Waterproof Rating : IP65 • Mounting Method : Wall MountType 	
Power/Dimension	AC 110V /220V (50/60Hz) / 210(W) X 185(H) X 84(D)mm			
Accessories [Standard]	<ul style="list-style-type: none"> • Instruction Manual 		<ul style="list-style-type: none"> • AC Power Adaptor 	
Accessories [Option]	<ul style="list-style-type: none"> • DO Electrode/ATC Probe (Lab&Process Electrode Reference) • DO Membrane Kit 		<ul style="list-style-type: none"> • Conductivity Cell/ATC Probe(K=1, 0.1, 0.01, 10) • EC Cell/ATC Probe(Lab&Process Electrode Reference) • Standard Solution 125ml 	
	<ul style="list-style-type: none"> • Disposition Type, Flow Type Holder • Bracket 		<ul style="list-style-type: none"> • Cable (Order Custom 10~50m) • Cleaning System (Air, Water Jet, Ultra Sonic) 	



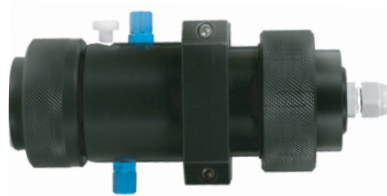
Continuous Monitoring Analyzer(Controller) • • • • •

•• SOWA Series



- Input from preamplified sensor
- Check signal of dirty lens
- Alarm of Min/Max turbidity, set point timing, dirty lens, empty cell, too high external light
- Dual filter software
- Various output options(NTU, ppm, mg/L)
- Application :
Drinking water, Water treatment, Bottling industry

Specification		Turbidity Controller TURB-300
Turbidity	Range	0.000 ~ 4.000 NTU, 0.00 ~ 40.00 NTU, 0.0 ~ 400.0 NTU, 0 ~ 4,000 NTU
	Repeatability	0.1% of F.S.
	Accuracy	±5% of reading from 0~400 NTU / ±10% of reading from 400~4,000 NTU
	Resolution	0.001 from 0~4.000 NTU / 0.01 from 0~40.00 NTU / 0.1 from 0~400.0 NTU / 1 from 0~4,000 NTU
	Response Time	within 10 sec to 98% response
Temperature	Range	0 ~ 50°C / Resolution : 0.1°C
Display		16 character alphanumeric backlit LCD
Control Output	Relay Number	4 Relays
	Relay Standard	2 SPDT (For Control) / 2 SPST (For Alarm and Cleaning) / Switching Voltage: AC220V / 5A
	Relay Function	Alarm, Cleaning, Control (Possible to set the function individually for each of relays)
	Control Function	On/Off, Cleaning function control
Signal Output	Alarm Function	Setting High/Low Alarm point, Relay Delay
	Analog	0/4 ~ 20mA(insulated) *Possible to add one more 0/4 ~ 20mA terminal (Optional) Delay Time: 2.5s for 98% / Isolation: 250Vac / Load: 600ohm Max. RS232 Output Available (Optional) / RF Output Available (Optional)
Sensor Calibration		1 Point Calibration using Turbidity Standard Buffer Solution Zero of the Probe: 0.0 ~ 10.0 F.S. / Cell Sensitivity: 80.0 ~ 120.0%
Hold Function		Auto Hold in Sensor calibration / Hold function available in Alarm, Control Relay Hold function available in Analog signal (0/4 ~ 20mA) output with latest data.
Measuring Method		Nephelometric 90° Near-Infrared (890 nm) LED (ISO7027, KS M9166)
Light Source		Near-Infrared (890 nm) LED (ISO7027, KS M9166)
Ambient Condition		0°C ~ +50°C, 95% R.H. without condensing. / Pressure : Max. 6 bar at 20°C
Media Temperature		0°C ~ 50°C
Waterproof		Sensor : IP68 (PVC) / Controller : IP54 (ABS)
Installation		Panel mounting
Dimension		Controller : 96×96×155 mm (0.85kg) / Sensor : 60 mm Diameter / Cable: 10m Std
Power		AC 110/220 V ±10%, 50/60 Hz. DC24V (Option)



▲ Flow-through Type Sensor



▲ Submersible Type Sensor

Continuous Monitoring Analyzer(Controller) • • • • •

•• SOWA Series



- Input from preamplified sensor
- Check signal of dirty lens
- Alarm of Min/Max turbidity, set point timing, dirty lens, empty cell, too high external light
- Dual filter software
- Various output options(NTU, ppm, mg/L)
- Application :
Drinking water, Water treatment, Bottling industry

Specification		Suspended Solids Controller SS-600
SS Suspended Solids	Range	0.000 ~ 9.999 mg/l, 0.00 ~ 99.99 mg/l, 0.0 ~ 999.9 mg/l, 0 ~ 9,999 mg/l of SiO ₂
	Repeatability	0.1% of F.S.
	Accuracy	±5% of reading from 0~999.9 mg/l / ±10% of reading from 1,000~9,999 mg/l
	Resolution	0.005 from 0~9.999 mg/l / 0.05 from 0~99.99 mg/l 0.5 from 0~999.9 mg/l / 5 from 0~9,999 mg/l
	Response Time	10 sec for 98%
Temperature	Range	0 ~ 50 °C
	Resolution	0.1 °C
Display		16 character alphanumeric backlit LCD
Control Output	Relay Number	4 Relays
	Relay Standard	2 SPDT (For Control) / 2 SPST (For Alarm and Cleaning) / Switching Voltage: AC220V / 5A
	Relay Function	Alarm, Cleaning, Control (Possible to set the function individually for each of relays)
	Control Function	On/Off, Cleaning function control
Signal Output	Analog	Setting High/Low Alarm point, Relay Delay
		0/4 ~ 20mA(insulated) *Possible to add one more 0/4 ~ 20mA terminal(Optional) Delay Time: 2.5s for 98% / Isolation: 250Vac / Load: 600ohm Max. RS232 Output Available (Optional) / RF Output Available (Optional)
Sensor Calibration		1 Point Calibration using Turbidity Standard Buffer Solution Zero of the Probe: 0.0 ~ 10.0 F.S. / Cell Sensitivity: 80.0 ~ 120.0%
Hold Function		Auto Hold in Sensor calibration / Hold function available in Alarm, Control Relay Hold function available in Analog signal(0/4 ~ 20mA) output with latest data.
Measuring Method		Nephelometric 90° Near-Infrared (890 nm) LED (ISO7027, KS M9166)
Light Source		Near-Infrared (890 nm) LED (ISO7027, KS M9166)
Ambient Condition		0 °C ~ +50 °C., 95% R.H. without condensing.
Media Temperature		0 °C ~ 50 °C
Pressure		Max. 6 bar at 20 °C
Cleaning System		Integrated Auto Cleaner (Air-Jet or Water-jet)
Cleaning Pressure		Below 3 bar
Waterproof		Sensor : IP68 (PVC) / Controller : IP54(ABS)
Installation		Panel mounting
Dimension		Controller : 96×96×155 mm (0.85kg) / Sensor : 60 mm Diameter / Cable: 10m Std
Power		AC 110/220 V ±10%, 50/60 Hz. DC24V (Option)



▲ Submersible Type Sensor

●● SOWA Series

SOWA is the total auto monitoring system
that can measure and control



COD Auto monitoring system ● ● ● ● ●

Chemical Oxygen Demand

- Potentiometric Method
- Low Maintenance cost
- LCD Touch Screen
- Monitoring & Controlling in real time
- Accurate Measuring by digital control system
- Setting and controlling of High/Low Alarm
- multi-functions-program adopted for easy-to-operate
- Correcting function
- Correcting proper flow amount by using Na₂C₂O₄
- Minimizing error rate by injecting accuracy amount of reagents

Model	SOWA COD200Mn
Measuring Method	Potentiometric Method (Potassium Permanganate & Sodium Oxalate) -> 0~200mg/l
Measuring Range	0~200 mg/ℓ (Optional for more than 200 mg/L)
Sensor	ORP Electrode
Sampling Method	Auto Injection
Min. Measuring Range	0.1 mg/ℓ
Repeatability	± 2%
Accuracy	± 3%
Measuring Term	Setting are available by user
Measuring Progress Time	60 Min.
Sample	10 ~ 100ml/per measurement
Display	Color LCD Display (Touch Screen option)
Data Log	Recording to PC Hard Disk
Output	DC4 ~ 20mA, RS232
Power Consumption	0.2KVA
Dimension	600(W) x 1650(H) x 420(D)mm
Power Supply	AC220V(±10%) 60Hz

* Exterior dimension and graphic are custom order available.

SOWA Series

residual chlorine concentration ● ● ● ● ●

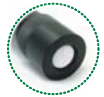
Controller



- Intelligent microprocessor-based
- Modular devices of power, digital input/output, A/D, D/A converter.
- Convenient use interface
- Automatic sensor self-diagnostic per each module
- Easy and automatic standardize function
- Various output signal (4~20mA DC, RS-232C)
- Time control by Real time clock

Sensor

- Gas permeable membrane type with 3 electrodes (Polarographic)
- Polyfluoroethylen membrane transmit the HOCl gas only
- Easily maintained (easy-to-clean) cell construction
- Water jet cleaning for more effective automatic continuous cleaning
- Low hysteresis of reference electrode with temperature



Model	SOWA RC-500 (Residual Chlorine Analyzer)			
Measurement Object	Sewage water, Waste water, Drinking water, River etc			
Measuring Method	Gas transmitted membrane type of three electrodes			
Measuring Range	0~5mg/ℓ (0~10mg/L Optional)			
Detection Limit	0.01mg/ℓ	Washing Method	Auto Washing Method by water jet	
Repeatability	±2%	Display	LCD Graphic Display	
Accuracy	±3%	Output	4~20mA DC, RS232C(Optional)	
Zero Drift	±3%(F.S)	Status Signal	2 relays and 4 points of contact, 1A 24VDC, Alarm for High& Low	
Span Drift	±3%(F.S)	Power	AC110V/220V (50/60Hz)	
Linearity	±5%	Electrode material	CPVC Housing	
insulation resistance	more than 5M Ω	Dimension	215(W)x185(H)x85(D)mm	
Detection	0.1mg/ℓ	Case material	SUS304	
Temperature	0~45℃	Waterproof Rating	IP65	
Temp range of Sample	0~45℃	Installation Method	Panel and 2" Pipe, Wall mounting	
Response Time	within 60sec	Alarm/Signal	A signal for Sample incoming, Normal status, Repairing, in Calibration, Abnormal status (Option)	
Temperture	0~45℃ / Pressure: 0,1bar / Flow: 1~2L/min			



Water Analyzing System ● ● ● ● ●

- Multi measuring of 4 to 6 items (pH(ORP.mV), EC, Residual Chlorine, Turbidity and Temp)
- Auto calibration of pH, Conductivity according to user's setting
- User can select items to be measured that requested from site
- Real time controlling and monitoring, Reducing labor and management cost
- Economic operation and maintenance, Self diagnosis system
- Remote control & monitoring using wireless transmitter (Monitoring/Controlling water in many points simultaneously, Sending message to the manager's cell phone when it has any troubles in measuring date)

Model	SOWA Multi 100				
Items	pH(ORP/mV)	EC(TDS/Salinity)	Residual chorine	Turbidity	Temp
Measurement Method	By ION sensor	By ION sensor	Polarographic Method	Light scattering	RTD,NTC
Sensor type	Gel with visible KCl reserves, not refillable	2-ring platinum (shaft material: plastic)	Gas Transmittal Sensor	Visible	RTD, NTC
Range	0.0 ~ 14.0	0.05 ~ 200 μS/cm	0~3mg/ℓ	0~10/1000 NTU	-10 ~ 55 ℃
Repeatability	0.03pH	0.01mS/cm	± 2%	±1% of Reading	± 2%
Resolution	± 0.01pH	± 0.5%	-	2%: 0~40NTU 5%: 40~100NTU	± 0.4℃
Calibration	Automatic (Option)		Free Calibration	Automatic (Option)	
Condition of sample	Quantity is 0.5 to 3.0L/Min. Each temperature should be 5 to 40℃				
Installation	Indoor or Outdoor installation is available				
Data record	Hard disk & Printer				
Power supply	AC 110V/220V(50/60HZ)				
Power consumption	800W				
Output	4~20mV(option : RS232C/RS485, Internet, LAN (TCP/IP), Wireless(Call phone)				
Measuring cycle	Minimum : 1minute, Maximum : 60 Minutes				
Sample supplying type	Auto pumping or gravity type/ Auto waster supplying type				
Application	Drinking water, process water, River water etc				
Dimension	650mm(W) X 1600mm(H) X 750mm(D)				

* Exterior dimesion and graphic are custom order available.



















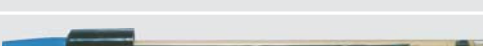



pH and ORP ●●●●●

Electrodes Series



pH and ORP Electrodes

*Istek, protecting the Clean environment of tomorrow
We supply accurate and reliable water quality analyzers*

1	5773504 5773905		General Purpose pH
2	5774504		High pH
3	5773521		Rugged Bulb pH
4	5773702		Double Junction pH
5	5773792 5774792		Sealed Double Junction pH
6	5773510 5773710		Sleeve Junction pH
7	5673506 5673507 5673510		Test Tube pH
8	5573501 5573902		Semi Micro pH
9	5473901 5473902		Micro pH
10	5573512		Spear Tip pH
11	5773301		Glass Mono pH
12	5771423		Ag/AgCl Reference
13	5771424		Calomel Reference
14	5779685 5779601		ORP
15	5770601		Silver Billet
16	5733526 5733526R 5733726		Economy, Plastic Body pH
17	5733928 5733928R		Calomel, Plastic Body pH
18	5732511		Flat Surface pH
19	5533501 5533901		Micro, Plastic pH
20	5739602		Economy, Plastic Body ORP
21	5773504A2 5773593A2		Triode pH/ATC
22	5733528RA2 5733728A2		Triode pH/ATC

GLASS BODY ELECTRODES	COMBINATION pH							
	Part #	Glass Type	pH Range	Temperature Range	Diameter	Length	Internal Reference Element	Photo
	5773504	GX-2	0-13	0 to 100°C	12mm	110mm	Ag/AgCl Refillable	1
	5773905	GX-2	0-13	-5 to 80°C	12mm	110mm	Calomel Refillable	1
	5774504	GX-3	0-14	5 to 100°C	12mm	110mm	Ag/AgCl Refillable	2
	5773521	GX-2	0-13	0 to 100°C	12mm	110mm	Ag/AgCl Refillable	3
	5773702	GX-2	0-13	0 to 100°C	12mm	110mm	Double Junction Refillable	4
	5773792	GX-2	0-13	0 to 100°C	12mm	110mm	Sealed Double Junction	5
	5774792	GX-3	0-14	0 to 100°C	12mm	110mm	Sealed Double Junction	5
	5773510	GX-2	0-13	0 to 100°C	12mm	110mm	Ag/AgCl Refillable	6
5773710	GX-2	0-13	0 to 100°C	12mm	110mm	Double Junction Refillable	6	
5673506	GX-2	0-13	0 to 100°C	8mm	55mm	Ag/AgCl Refillable	7	
5673507	GX-2	0-13	0 to 100°C	8mm	115mm	Ag/AgCl Refillable	7	
5673510	GX-2	0-13	0 to 100°C	8mm	250mm	Ag/AgCl Refillable	7	
5573501	GX-2	0-13	0 to 100°C	6mm	110mm	Ag/AgCl Refillable	8	
5573902	GX-2	0-13	-5 to 80°C	6mm	110mm	Calomel Refillable	8	
5473901	GX-2	0-13	-5 to 80°C	4mm	130mm	Calomel Refillable	9	
5473902	GX-2	0-13	-5 to 80°C	4mm	180mm	Calomel Refillable	9	
5573512	GX-2	0-13	-5 to 100°C	6mm	25mm	Ag/AgCl Refillable	10	
GLASS pH								
5773301	GX-2	0-13	0 to 100°C	12mm	110mm	-	11	
REFERENCE								
5771423	-	-	0 to 100°C	12mm	110mm	Ag/AgCl Refillable	12	
5771424	-	-	-5 to 80°C	12mm	110mm	Calomel Refillable	13	
METALLIC								
5779685	-	-	-5 to 100°C	12mm	110mm	Ag/AgCl Sealed	14	
5779601	-	-	-5 to 100°C	12mm	110mm	Ag/AgCl Refillable	14	
5770601	-	-	-5 to 100°C	12mm	110mm	Ag/AgCl KNO3 Refillable	15	
TRIODE								
5773504A2	GX-2	0-13	0 to 100°C	12mm	110mm	Ag/AgCl Refillable/ATC	21	
5773593A2	GX-2	0-13	0 to 100°C	12mm	110mm	Ag/AgCl Sealed/ATC	21	
EPOXY BODY ELECTRODES	COMBINATION pH							
	Part #	Glass Type	pH Range	Temperature Range	Diameter	Length	Internal Reference Element	Photo
	5733526	GX-2	0-13	0 to 80°C	12mm	115mm	Ag/AgCl Sealed	16
	5733526R	GX-2	0-13	0 to 80°C	12mm	115mm	Ag/AgCl Refillable	16
	5733726	GX-2	0-13	0 to 80°C	12mm	115mm	Double Junction Sealed	16
	5733928	GX-2	0-13	-5 to 80°C	12mm	115mm	Calomel Sealed	17
	5733928R	GX-2	0-13	-5 to 80°C	12mm	115mm	Calomel Refillable	17
	5732511	GX-1	0-13	0 to 80°C	12mm	115mm	Ag/AgCl Sealed	18
	5533501	GX-2	0-13	0 to 80°C	6mm	155mm	Ag/AgCl Sealed	19
	5533901	GX-2	0-13	-5 to 80°C	6mm	155mm	Calomel Sealed	19
METALLIC								
5739602	-	-	0 to 80°C	12mm	110mm	Ag/AgCl Sealed	20	
TRIODE								
5733528RA2	GX-2	0-13	-5 to 80°C	12mm	115mm	Ag/AgCl Refillable/ATC	22	
5733728A2	GX-2	0-13	-5 to 80°C	12mm	115mm	Ag/AgCl Sealed/ATC	22	

All of pH electrodes are having cable length 1m basically and available to extend cable length, Electrode storage solution is 4M KCL.

Electrode Applications

Application		Application																																				
		Alkaline Solutions	Water	Blood	Dough	Education Purposes	Emulsions	Fat/Cream/Cosmetics	Field Use	Gypsum	Hops/Beer	Hydrofluoric Acid	Lab Flasks, Tall-form	Lacquer	Liquor, etc.	Low Ionic Strength	Macro Samples	Meat, Fish, Cheese	Micro Samples	Milk	Non-aqueous Media	Oil	Paint	Photo Baths	Sea Water, Swimming Pools	Soil	Solid, High Contents Of	Surfaces (Leather, Paper, Agar)	Suspensions	Temperature, High or Varying	Test Tubes	Treacle, Honey, etc.	TRIS Buffer	Viscosity, High	Yogurt, Curdled Milk			
1	5773504	●			●											●																						
1	5773905	●	●													●			●					●										●				
2	5774504	●																																				
3	5773521				●			●	●																●	●		●										
4	5773702					●						●	●						●	●			●							●				●	●			
5	5773792	●	●				●			●									●											●						●		
5	5774792	●																												●								
6	5773510					●				●																●	●				●			●		●		
6	5773710		●			●	●		●				●	●	●					●	●	●				●	●			●			●	●	●			
7	5673506																																		●			
7	5673507											●																							●			
7	5673510			●								●																							●			
8	5573501											●							●																●			
8	5573902											●							●																●		●	
9	5473901		●									●							●																●		●	
9	5473902		●									●							●																●		●	
10	5573512			●													●																					
11	5773301	●			●												●								●										●			
12	5771423	●			●												●																					
13	5771424	●			●												●																			●		
14	5779685	●															●								●			●							●		●	
14	5779601	●															●								●										●	●	●	
15	5770601																●																					
16	5733526	●			●		●																		●													
16	5733526R	●			●												●																					
16	5733726	●			●		●																		●													
17	5733928	●			●		●																		●											●		
17	5733928R	●			●												●																			●		
18	5732511			●	●													●										●										
19	5533501				●						●																								●			
19	5533901				●						●																								●		●	
20	5739602				●		●																		●													
21	5773504A2	●			●												●																					
21	5773593A2	●			●												●																					
22	5733528RA2	●			●		●																		●													
22	5733728A2	●			●		●																		●													

* Recommended electrode for the application.

ISE • • • • •

Electrodes Series

● Ammonia(NH₃)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Gas Sensing Combination	$5 \times 10^{-7} \sim 1.0$	0.01 ~ 17,000	56±3	above 11	0~50	N/A	Volatile amines

Part No.	Description
NH31501	Ammonia Gas Sensing Electrode, Combination, Epoxy Body
NH3MK05	Ammonia Membrane Kit(bag of 20 membranes and spare O-ring)
NH3IF01	Ammonia Electrode Filling Solution
NH3AS01	Ammonia Standard, 0.1M NH ₄ Cl
NH3AS02	Ammonia Standard, 1000 ppm NH ₃ as N
NH3AS03	Ammonia Standard, 100 ppm NH ₃ as N
NH3IS01	Ammonia Ionic Strength Adjuster (ISA), 10M NaOH
NH3IS02	Ammonia Ionic Strength Adjuster(ISA), 5M NaOH/0.05M Disodium EDTA/10% Methanol with Color Indicator

● Ammonium(NH₄⁺)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Polymer Membrane	$5 \times 10^{-6} \sim 1.0$	0.1 ~ 18,000	56±2	4~10	0~50	Double Junction	K ⁺

Part No.	Description
NH41502	Ammonium Ion Electrode, Combination, Glass Body
ROO1043	Ammonium Electrode Filling Solution, 0.1M NaCl
NH4AS01	Ammonium Standard, 0.1M NH ₄ Cl
NH4AS02	Ammonium Standard, 1000 ppm NH ₄ ⁺
NH4AS03	Ammonium Standard, 100 ppm NH ₄ ⁺
NH4IS01	Ammonium Ionic Strength Adjuster(ISA), 5M NaCl

● Bromide(Br⁻)

Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Solide state	$5 \times 10^{-6} \sim 1.0$	0.4 ~ 79,900	57±2	2~14	0~80	Double Junction	S ²⁻ , I ⁻ , CN ⁻ , high levels of Cl ⁻ & NH ₃

Part No.	Description
BRO1502	Bromide Ion Electrode, Combination, Glass Body
R001015	Bromide Electrode Filling Solution, 1M KNO ₃
BROAS01	Bromide Standard, 0.1M NaBr
BROAS02	Bromide Standard, 1000 ppm Br ⁻
BROIS01	Bromide Ionic Strength Adjuster(ISA), 5M NaNO ₃

Electrodes Series

● Carbon Dioxide(CO₂) Carbonate(CO₃⁻²)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Gas Sensing Combination	1 x 10 ⁻⁴ ~ 1 x 10 ⁻²	4.4 ~ 440	56 ± 3	4.8 ~ 5.2	0 ~ 50	N/A	Volatile wear amines

Part No.	Description
CO21501	Carbon Dioxide Gas Sensing Electrode, Combination, Epoxy Body
CO2MK02	Carbon Dioxide Membrane Cartridge Kit, (box of 3 membrane cartridges and spare O-rings)
CO2IF01	Carbon Dioxide Electrode Filling Solution
CO2AS01	Carbon Dioxide Standard, 0.1M NaHCO ₃
CO2AS02	Carbon Dioxide Standard, 1000 NaHCO ₃ ppm as CO ₂
CO2AS03	Carbon Dioxide Standard, 100 NaHCO ₃ ppm as CaCO ₃
CO2IS01	Carbon Dioxide Ionic Strength Adjust(ISA), 1M Citrate Buffer
NAOAS01	Carbon Dioxide Electrode Storage Solution, 0.1M NaCl

● Calcium(Ca⁺²)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Polymer Membrane	5 x 10 ⁻⁶ ~ 1.0	0.2 ~ 40,000	27 ± 2	3 ~ 10	0 ~ 50	Single Junction	Pb ⁺² , Hg ⁺² , Cu ⁺² , Ni ⁺²

Part No.	Description
CAL1502	Calcium Ion Electrode, Combination, Glass Body
ROO1013	Calcium Electrode Filling Solution, 4M KCl
CALAS01	Calcium Standard, 0.1M CaCl ₂
CALAS02	Calcium Standard, 1000 ppm Ca ⁺²
CALAS03	Calcium Standard, 100 ppm Ca ⁺² as CaCO ₃
CALIS01	Calcium Ionic Strength Adjuster(ISA), 4M KCl

● Cadmium(Cd⁺²)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Solide state	1 x 10 ⁻⁷ ~ 0.1 x 10 ⁻¹	0.01 ~ 11,200	27 ± 2	2 ~ 12	0 ~ 80	Double Junction	Ag ⁺ , Hg ⁺² , Cu ⁺² , High Levels of Pb ⁺² and Fe ⁺²

Part No.	Description
CD21502	Cadmium Ion Electrode, Combination, Glass Body
R001015	Cadmium Electrode Filling Solution, 1M KNO ₃
CD2AS02	Cadmium Standard, 1000 ppm Cd ⁺²
CD2AS03	Cadmium Standard, 100 ppm Cd ⁺²
CD2IS01	Cadmium Ionic Strength Adjuster(ISA), 5M NaNO ₃

Ion Selective Electrode

● Chloride(Cl⁻)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Solide state	$5 \times 10^{-5} \sim 1.0$	1.8 ~ 35,500	56±2	2~12	0~80	Double Junction	S ²⁻ , Br ⁻ , I ⁻ , CN ⁻

Part No.	Description
CLO1502	Chloride Ion Electrode, Combination, Glass Body
ROO1015	Chloride Electrode Filling Solution, 1M KNO ₃
CLOAS01	Chloride Standard, 0.1M NaCl
CLOAS02	Chloride Standard, 1000 ppm Cl ⁻
CLOAS03	Chloride Standard, 100 ppm Cl ⁻
CLOIS01	Chloride Ionic Strength Adjuster(ISA), 5M NaNO ₃

● Copper(Cu⁺²)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Solide state	$1 \times 10^{-8} \sim 1 \times 10^{-1}$	$6.4 \times 10^{-4} \sim 6,350$	27±2	2~12	0~80	Double Junction	Ag ⁺ , Hg ⁺² , High Levels of Cl ⁻ , Br ⁻ , Fe ⁺² , Cd ⁺²

Part No.	Description
CUO1502	Cupric Ion Electrode, Combination, Glass Body
ROO1015	Cupric Electrode Filling Solution
CUOAS01	Cupric Standard, 0.1M CuSO ₄ ·5H ₂ O
CUOAS02	Cupric Standard, 1000 ppm Cu ⁺²
CUOAS03	Cupric Standard, 100 ppm Cu ⁺²
CUOIS01	Cupric Ionic Strength Adjuster(ISA), 5M NaNO ₃

● Cyanide(CN⁻)

Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Solide state	$5 \times 10^{-6} \sim 1 \times 10^{-2}$	0.13 ~ 260	57±2	11~13	0~80	Double Junction	S ²⁻ , Br ⁻ , I ⁻ , Cl ⁻

Part No.	Description
CNO1502	Cyanide Ion Electrode, Combination, Glass Body
ROO1015	Cyanide Electrode Filling Solution, 1M KNO ₃
CNOIS01	Cyanide Ionic Strength Adjuster(ISA), 10M NaOH

Electrodes Series

● Fluoride(F⁻)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Solide state	$1 \times 10^{-6} \sim$ Saturated	0.02 ~ Saturated	57±2	5~8	0~80	Single Junction	OH ⁻

Part No.

Description

FOO1502	Fluoride Ion Electrode, Combination, Glass Body
ROO1013	Fluoride Electrode Filling Solution, 4M KCl
FOOAS01	Fluoride Standard, 0.1M NaF
FOOAS02	Fluoride Standard, 1000 ppm F ⁻
FOOAS03	Fluoride Standard, 100 ppm F ⁻
FOOIS01	Total Ionic Strength Adjuster Buffer (TISAB 1)
FOOIS02	Low Level Total Ionic Strength Adjuster Buffer (TISAB 2)
FOOIS03	Total Ionic Strength Adjuster Buffer (TISAB 3)

● Fluoroborate(BF₄⁻)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Polymer Membrane	$7 \times 10^{-6} \sim 1.0$	0.1 (as B) ~10,800	56±2	2.5~11	0~50	Double Junction	ClO ₄ ⁻ , I ⁻ , CN ⁻

Part No.

Description

BF41502	Fluoroborate Ion Electrode, Combination, Glass Body
ROO1044	Fluoroborate Electrode Filling Solution
BF4AS01	Fluoroborate Standard, 0.1M NaBF ₄
BF4AS02	Fluoroborate Standard, 1000 ppm F ⁻
BF4AS03	Fluoroborate Standard, 100 ppm F ⁻
BF4IS01	Fluoroborate Ionic Strength Adjuster(ISA), 2M (NH ₄) ₂ SO ₄

● Iodide(I⁻)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Solide state	$1 \times 10^{-6} \sim$ 1×10^{-1}	$6 \times 10^{-3} \sim 127,000$	57±2	0~14	0~80	Double Junction	S ²⁻ , CN ⁻ , Br ⁻ , Cl ⁻ , S ₂ O ₃ ⁻² , NH ₃

Part No.

Description

IOO1502	Iodide Ion Electrode, Combination, Glass Body
ROO1015	Iodide Electrode Filling Solution
IOOAS01	Iodide Standard, 0.1M NaI
IOOAS02	Iodide Standard, 1000 ppm I ⁻
IOOAS03	Iodide Standard, 100 ppm I ⁻
IOOIS01	Iodide Ionic Strength Adjuster(ISA), 5M NaNO ₃

Ion Selective Electrode

● Lead(Pb⁺²)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Solide state	$1 \times 10^{-6} \sim 1 \times 10^{-1}$	0.2 ~ 20,700	25±2	3~8	0~80	Double Junction	Ag ⁺ , Hg ⁺² , Cu ⁺² , high levels of Cd ⁺² & Fe ⁺²

Part No.	Description
PB21502	Lead Ion Electrode, Combination, Glass Body
ROO1015	Lead Electrode Filling Solution, 1M KNO ₃
PB2AS01	Lead Standard, 0.1M Pb(ClO ₄) ₂
PB2AS02	Lead Standard, 1000 ppm Pb(ClO ₄) ₂
PB2AS03	Sulfate Standard, 0.1M Na ₂ SO ₄
PB2IS01	Lead Ionic Strength Adjuster(ISA), 5M NaClO ₄

● Nitrate(NO₃⁻)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Polymer Membrane	$7 \times 10^{-6} \sim 1.0$	0.5 ~ 62,000	57±2	2.5~11	0~50	Double Junction	ClO ₄ ⁻ , I ⁻ , CN ⁻ , BF ₄ ⁻

Part No.	Description
NO31502	Nitrate Ion Electrode, Combination, Glass Body
ROO1044	Nitrate Electrode Filling Solution, 0.1M (NH ₄) ₂ SO ₄
NO3AS01	Nitrate Standard, 0.1M NaNO ₃
NO3AS02	Nitrate Standard, 1000 ppm NO ₃ ⁻
NO3AS03	Nitrate Standard, 100 ppm NO ₃ ⁻ as N
NO3IS01	Nitrate Ionic Strength Adjuster(ISA), 2M (NH ₄) ₂ SO ₄

● Nitrogen Oxide(NO_x)

Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Gas Sensing Combination	$5 \times 10^{-6} \sim 5 \times 10^{-3}$	0.2 ~ 220	56±3	1.1~1.7	0~50	N/A	SO ₂ , HF, acetic acid

Part No.	Description
NOX1501	Nitrogen Oxide Gas Sensing Electrode, Combination, Epoxy Body
NOXMK02	Nitrogen Oxide Membrane Cartridge Kit, (box of 3 membrane cartridges and spare O-rings)
NOXIF01	Nitrogen Oxide Filling Solution
NOXAS01	Nitrogen Oxide Standard, 0.1M NaNO ₂
NOXAS02	Nitrogen Oxide Standard, 1000 ppm NO ₂ ⁻
NOXAS03	Nitrogen Oxide Standard, 100 ppm NO ₂ ⁻ as N
NOXIS01	Nitrogen Oxide Buffer Solution, 2M Sulfate Buffer

Electrodes Series

● Perchloride(ClO_4^-)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Polymer Membrane	$7 \times 10^{-6} \sim 1.0$	0.7 ~ 98,000	56 ± 2	2.5~11	0~50	Double Junction	no significant interference

Part No.

Description

PER1502	Perchlorate Ion Electrode, Combination, Glass Body
ROO1044	Perchlorate Electrode Filling Solution, 0.1M $(\text{NH}_4)_2\text{SO}_4$
PERAS01	Perchlorate Standard, 0.1M NaClO_4
PERAS02	Perchlorate Standard, 1000 ppm ClO_4^-
PERAS03	Perchlorate Standard, 100 ppm ClO_4^-
PERIS01	Perchlorate Ionic Strength Adjuster(ISA), 2M $(\text{NH}_4)_2\text{SO}_4$

● Potassium(K^+)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Polymer Membrane	$1 \times 10^{-6} \sim 1.0$	0.04 ~ 39,000	56 ± 2	2~12	0~50	Double Junction	Cs^+ , NH_4^+

Part No.

Description

KOO1502	Potassium Ion Electrode, Combination, Glass Body
ROO1043	Potassium Electrode Filling Solution
KOOAS01	Potassium Standard, 0.1M KCl
KOOAS02	Potassium Standard, 1000 ppm K^+
KOOAS03	Potassium Standard, 100 ppm K^+
KOOIS01	Potassium Ionic Strength Adjuster(ISA), 5M NaCl

● Silver/Sulfide($\text{Ag}^+/\text{S}^{2-}$)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Solide state	$\text{Ag}^+ = 1 \times 10^{-2} \sim 1.0$ $\text{S}^{2-} = 1 \times 10^{-2} \sim 1.0$	$\text{Ag}^+ = 0.01 \sim 107,900$ $\text{S}^{2-} = 0.003 \sim 32,100$	$\text{Ag}^+ = 157 \pm 2$ $\text{S}^{2-} = 27 \pm 2$	2~12	0~80	Double Junction	Hg^{+2} , Hg^+

Part No.

Description

AGS1502	Silver/Sulfide Ion Electrode, Combination, Glass Body
ROO1015	Silver/Sulfide Electrode Filling Solution, 1M KNO_3
AGSAS01	Silver Standard, 0.1M AgNO_3
AGSAS02	Silver Standard, 1000 ppm Ag^+
AGSAS03	Silver Standard, 100 ppm Ag^+
AGSIS02	Sulfide Anti-Oxidant Buffer (SAOB)

Ion Selective Electrode

● Sodium(Na^+)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Glass Combination	$1 \times 10^{-6} \sim$ Saturated	0.02~Saturated	56 ± 2	5~12	0~80	Double Junction	$\text{H}^+, \text{K}^+, \text{Li}^+, \text{Ag}^+, \text{Cs}^+, \text{Ti}^+$

Part No.	Description
NA71502	Sodium Ion Electrode, Combination, Glass Body
ROO1041	Sodium Electrode Filling Solution, 0.1M NH_4Cl
NAOAS01	Sodium Standard, 0.1M NaCl
NAOAS02	Sodium Standard, 1000 ppm Na^+
NAOAS03	Sodium Standard, 100 ppm Na^+
NAOIS01	Sodium Ionic Strength Adjuster(ISA), 4M NH_4Cl /4M NH_4OH
NAOES01	Sodium Electrode Storage Solution, 5M NaCl

● Surfactant(X^- , X^+)

Sensor Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Polymer Membrane	$1 \times 10^{-5} \sim$ 5×10^{-2}	1.0~12,000	for titration	2~12	0~50	Single Junction	Similar types of Surfactants

Part No.	Description
SUR1502	Surfactant Ion Electrode, Combination, Glass Body
ROO1011	Surfactant Electrode Filling Solution, 4M KCl (with Ag^+)
SURAS01	Surfactant Standard, 0.05M Hyamine 1622
SURIS01	Surfactant Sample Additive, Dilute Triton X-100

● Water Hardness(Ca^{+2} / Mg^{+2})

Type	Direct Measurement Range		Slope	pH Range	Temp Range(°C)	Reference Electrode	Interferences
	Molar	ppm					
Polymer Membrane	$1 \times 10^{-5} \sim$ 5×10^{-2}	1.0~12,000	26 ± 3	5~10	0~50	Single Junction	Similar types of Surfactants

Part No.	Description
BRO1502	Bromide Ion Electrode, Combination, Glass Body
ROO1015	Bromide Electrode Filling Solution, 1M KNO_3
BROAS01	Bromide Standard, 0.1M NaBr
BROAS02	Bromide Standard, 1000 ppm Br^-
BROAS03	Bromide Standard, 100 ppm Br^-
BROIS01	Bromide Ionic Strength Adjuster(ISA), 5M NaNO_3

DO and EC ● ● ● ● ●

Electrodes Series

Dissolved Oxygen Electrode

Part No	023IP15G	023IP17S	023BG25	A0R2
Type	Polarographic		Galvanic	
Body	Plastic		Plastic	ABS or CPVC
Cathode	Pt, Au, Ag		Pt, Ag	Pt
Anode	Ag, AgCl		Pb, Zn	Pb
Response	98 % within 60 seconds		98 % within 60 seconds	98 % within 60 seconds
Temp Range	0-50°C		0-50°C	0-80°C
Residual Signal	Less than 1 nA		0.5-1mV under 0.4μA	-
Output	50nA-1.5μA (Air saturated medium)		35mV ± 10mV 10-15μA	0.3uA
Diameter	12mm	21mm	12mm	28.5mm
Membrane Kit No.	M0300P1-K1S	M0300P-K1	M0300P1-K1S	D0R2
사용처	Lab, Field		Fishery, Airator	



Conductivity Electrode

Conductivity Sensors are available in several standard models to fit a variety of needs. We offer Glass, Epoxy, CPVC body construction types for platinum and graphite cells.

Model No	Range	Cell Constant (K)	Body Type	Temperature Range	Diameter	Photo No.
C527-1-1	0.055~20 μS/cm	K=0.01	Stainless Steel	0 ~ 120°C	13mm	1
1921301-21		K=0.05	Stainless Steel/CPVC	-5 ~ 80°C	12mm	4
5731302-41	0.5~200 μS/cm	K=0.1	Epoxy	-5 ~ 80°C	12mm	2
C527-3-1			Stainless Steel	0 ~ 120°C	12mm	1
5731302-31	0.01~2 mS/cm	K=1.0	Epoxy	-5 ~ 80°C	12mm	2
5771302-31			Glass	-5 ~ 100°C	12mm	3
C527-2-1			Stainless Steel	0 ~ 120°C	13mm	1
5731302-61	1~200mS/cm	K=10	Epoxy	-5 ~ 80°C	12mm	2
5771302-61	1~500mS/cm		Glass	-5 ~ 100°C	12mm	3










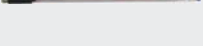
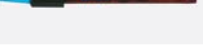


* Conductivity Standard Solutions (125ml)

- 146.9μS/cm • 1413μS/cm • 6.67mS/cm
- 12.89mS/cm • 111.9mS/cm

Industrial Process Electrode

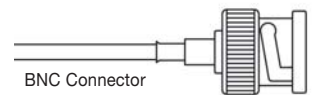
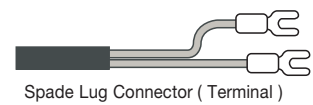
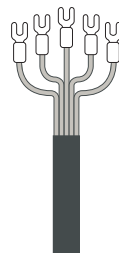
Electrodes Series

Combination pH/ORP Electrode

Model No.	Image	pH Range	Body Type	Temp(°C)	Cable Length	Remarks
			Length(mm)	Pressure		
2737672		2 ~ 11	Epoxy	-5 ~ 80	1m	Durable For (F and F ⁻)
			80/12	-		
SA73792		0 ~ 13	Glass	-5 ~ 130	Option (DL)	
SA79861		(ORP)	220/13 (Cable Length Changeable)	≤ 10bar		
BP635		0 ~ 14	Glass	-5 ~ 130	Option (S8)	Sealed D/J Polymeric
			120/12	≤ 10bar		
BP600		0 ~ 14	Glass	-5 ~ 130	2m	Sealed D/J Polymeric
BP600(PT100)			115/12	≤ 10bar		Sealed D/J Polymeric(PT100)
BP635KN		0 ~ 14	Glass	-5 ~ 130	Option(S8)	Sealed Polymeric KNO ₃ Gel
BP635KN(PT100)			120/12	≤ 10bar	Option(DL)	
BP900		(ORP)	Glass	-5 ~ 130	2m	Sealed D/J Polymeric
			115/12	≤ 10bar		
BP935		(ORP)	Glass	-5 ~ 130	Option (S8)	Sealed D/J Polymeric
			120/12	≤ 10bar		
5773701A2		0 ~ 13	Glass	-5 ~ 100	1m (DL)	PT100
			300/12 (Cable Length Changeable)	≤ 4bar		
5133726KN		0 ~ 13	Epoxy	0 ~ 80	5m	Sealed D/J KNO ₃ Gel
			115/10	-		
P7212V12		0 ~ 13	Ryton	0 ~ 70	3m	PT100, CPVC Body O-Ring : Viton
150/29			≤ 7bar			
P8222V12		0 ~ 13	CPVC	0 ~ 70	3m	PT100, CPVC Body O-Ring : Viton
			170/29	≤ 7bar		

► Cable

for S8	9001098-XXXB	BNC
	9001098-XXXT	Terminal
for DL	9001083-XXXB	BNC
	9001083-XXXT	Terminal
for DL (PT100)	9001083-XXXBRCA	BNC+RCA
	9001083-XXXTT	Terminal



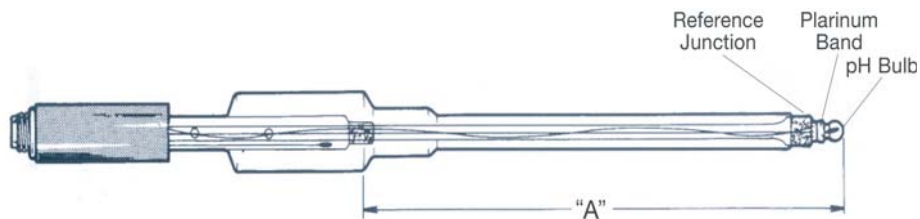
Industrial Process Electrode • • • • •

Electrodes Series

pH Electrodes

Sealed pH and ORP Electrodes Autoclavable Non-Pressurized Application for Benchtop Fermentors with Removable Electrode

This sealed series of pH and ORP electrodes encompass the most recent design features in sealed electrode technology. The electrodes require no electrolyte replenishment during the life of the electrode. They do not require pressurization during steam sterilization, minimizing maintenance, time and cost. These electrodes are designed to withstand repeated steam sterilization up to 130 °C.



The autoclavable series of sealed electrodes are constructed with a double junction reference chamber. They are factory sealed and contain specially formulated high temperature KNO₃ electrolyte, eliminating poisoning caused by the presence of certain ions, such as sulphide. The electrodes feature a large surface area annular ceramic junction, eliminating clogging that normally occurs in most electrodes used in fermentation.

Sealed autoclavable electrodes have many advantages over the refillable type. These include reduction in maintenance costs and shorter down time after autoclaving. Sealed electrodes will operate under vacuum or pressure. The electrodes are designed to fit all standard benchtop 12mm electrode probe assemblies or rubber stoppers.

When ordering these electrodes, specify the immersion length "A", determined by the immersion depth "H" of the probe, plus 70mm.

• Features

- No electrolyte refilling during use.
- Double junction reference chamber.
- The electrode requires low maintenance, saving time and cost.

• Electrodes

- SA73792-"A"-DL Sealed double junction combination pH electrode. GX-2 pH bulb, -5 °C to 130 °C, 0~13pH.
- SA79861-"A"-DL Sealed double junction combination ORP electrode. -5 °C to 130 °C.

When ordering specify:

- A. Determine the immersion length "A" in mm and order as follows for 220mm.
- B. Electrode cable must be ordered separately with proper pH meter




Detachable Leads and Accessories

9001083-XXX-X Miniature 3mm O.D. low-noise DL cable.

Connector Type

BNC

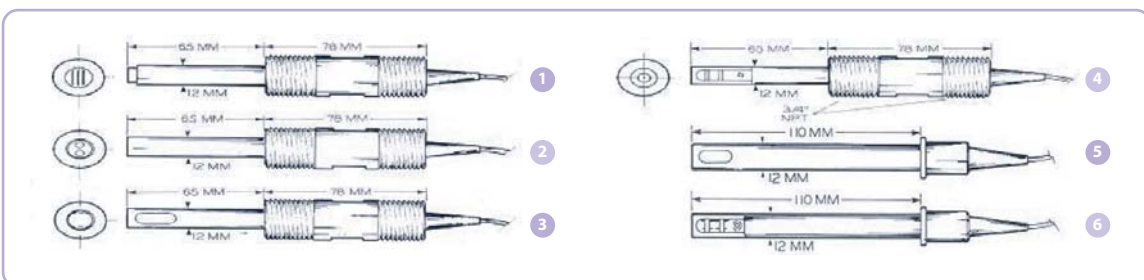
Dissolved Oxygen Electrode

Model No.	Image	Sensor Type	Cathode		Length/ Diameter (mm)	Body	Sterilization Temp		Outputs	Cable Length
			Anode				Temp Range (°C)			
025IP27		Polarographic	Pt	Ag/AgCl	220 / 12 <small>(Cable Length Changeable)</small>	Stainless Steel	130	0 ~ 80 °C	50nA	Option
023BG25		Galvanic	Ag	Pb	220 / 12 <small>(Cable Length Changeable)</small>	Stainless Steel	130	0 ~ 80 °C	35mV ± 10mV	Option
DC6000-T-TC		Galvanic	Silver	Zinc	90 / 60	Plastic	-	0 ~ 50 °C	33mV ± 9mV	5m

Conductivity Electrode

Model No.	Image	Body Type		Length (mm)	Temp (°C)		Cable Length	Remarks
		Range			Pressure Range			
C621		Treated 316 Stainless Steel K=1.0/0.1/0.01		-	0 ~ 135	150psig	Option	IP65 Detachable Plastic Cable Connector
C527		316L Stainless Steel or Teflon K=1.0/0.1/0.05/0.02/ 0.01		120 / 13	0 ~ 100	100psig	organically 1m	-
M-50-A		PEEK K=2.0 5~2,000ms/cm		148 / 47.3	-20 ~ 125	362psig	organically 3m	Seawater, High Range

Figure	Construction		Temperature	Constant Available
	Body	Electrode		
1	CPVC / Epoxy	Nickle	-5 ~ 80 °C	0.02/0.05/0.1/1.0/2.0 cm ⁻¹
2	CPVC / Epoxy	Graphite	-5 ~ 80 °C	1.0/2.0 cm ⁻¹
3	CPVC / Epoxy	Graphite	-5 ~ 80 °C	0.1/0.5/1.0/2.0/5.0/10 cm ⁻¹
4	CPVC / Glass	Platinum 2 Bands	-5 ~ 80 °C	0.1/1.0/2.0 cm ⁻¹
4	Kynar / Glass	Platinum 2 Bands	-5 ~ 110 °C	0.1/1.0/2.0 cm ⁻¹
5	Epoxy	Graphite	-5 ~ 80 °C	0.1/0.5/1.0/2.0/5.0/10.0cm ⁻¹
6	Glass	Platinum 2 Bands	-5 ~ 110 °C	0.1/1.0/2.0cm ⁻¹



* Cell Constant for each Ranges : K=0.01 : 0.055~20µs/cm, K=0.1 : 0.5~200µs/cm, K=1.0 : 0.01~2ms/cm, K=10 : 1~200ms/cm

* Cable Length and connector Type to change to change. (BNC Connector, TP100)

SDIS Program.

SDIS (Serial Data Interface Software)

SDIS is exclusively designed management software which connecting to PC for Istek's high grade models. SDIS make it possible for user to check and store measured data continuously, permanently. Also can change log data to Microsoft Office Excel file format.



NO.	Item name	Operation
1	Displays an item of pH measuring	Shows to main menu when measuring pH.
2	Displays an item of DO measuring	Shows to main menu when measuring DO.
3	Displays an item of EC measuring	Shows to main menu when measuring EC.
4	Displays an item of Temp measuring	Shows to main menu when measuring TEMP.
5	Program Setup	Changes or mediates Program Setup
6	Displays an alarm of Item 1	Displays alarm and sound when setting high/low limit.
7	Displays an alarm of Item 2	Displays alarm and sound when setting high/low limit.
8	Displays an alarm of Item 3	Displays alarm and sound when setting high/low limit.
9	Button for exit from a program.	Press 12 when program exit/reset exit from program/ Click 17 if reuses.
10	Displays status of a communication.	Displays a status of data receiving.
11	Displays a graph.	Displays a graph of measuring data.
12	Displays an item measuring	Measuring item/ Showing Data/ Showing unit.
13	Date&Time	Displays the latest measured year, month, day, hour and minute.
14	Scale Legend	X/Y axis AUTO Scale. Find the location of data and shows it by line things. Uses for selecting graph options.
15	Scrollbar	Moving a graph screen.
16	Graph Palette	Extending a graph and changing range
17	measuring mode	Remeasuring.

Others

Pen Type



► Pen type pH Meter

Dimension : 158x40x34mm

Magic-Link



► It is able to connect to computer and measure pH, DO, EC, Temperature simultaneously in real time.



Luxury Third Arm Stand(ISTD1)



► **Specification**

Construction : Metal & Plastic
Dimensions : Base (24"), Arm(6.5")
Electrode spaces (5)

Stand (ISTD2)



► **Specification**

Construction : Metal & Plastic
Dimensions : Base (24"), Arm(6.5")
Electrode spaces (3)

Thermal Printer (ISPP2)



► Portable Printer using rechargeable battery,
Prints English, Number and Bar codes,

► **Specification**

Dimensions : 90x76x36mm
Paper width : 57mm
Width of printable area : 48mm
Rechargeable Ni-MH Battery Pack

DO Membrane Kit



Carrying Case



BOD Adaptor & Bottle





*Pure Water of Future -
Bright Future of World..*