

# KM26S Standardized Configuration Guide

## Magnetic level gauge

### K-TEK products

Measurement made easy



#### Features

- Highly visible level indication with no process fluid in contact with the glass
- All construction in-house by code certified welders
- Float designed and weighted for maximum accuracy with 75 grams minimum upward buoyant force
- Transmitter and switch options which can be installed, adjusted and maintained with no process interruption
- Safe for corrosive, flammable, toxic, high-temperature and high-pressure applications
- Rugged design - low or no maintenance

#### Available materials

- Stainless steel—304/304L, 316/316L, CS Flange

#### Process capabilities

- Full vacuum to 600 lb flange rating
- -320 to 1000°F/ -196 to 538°C
- 0.25 specific gravity
- All liquid viscosities
- Interfaces as Low as .03ΔSG

Testing and documentation available upon request

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# KM26S Magnetic Level Gauge

## Standardized Model Number Configuration

### KM26S.a.b.c.d.e.f.g.h.i.j - list additional required ordering codes separated by periods

- a Chamber Material - Select from Table 1
- b Connection Material - Select from Table 1  
Note: When the chamber material selected is a coated option, the connection materials will also have that same coating type applied.
- c Top Connection Code Option - Select from Table 2
- d1-dx Side Connection Code Option(s) - Select from Table 2
- e Bottom Connection Code Option - Select from Table 2
- f Top Connection Size and Rating - Select from Table 3  
Note: X shall be specified for B0, D0, S0, SW0, T0 and W0 code options. Only a size designation shall be specified for B1, B10, D1, D10, L1, SW1, SW10, W1, W10, W1E and W1S code options.
- g1-gx Side Connection Sizes and Ratings - Select from Table 3  
Note: Designate each individually from top to bottom corresponding to each side option selected.
- h Bottom Connection Size and Rating - Select from Table 3  
Note: X shall be specified for B0, D0, S0, SW0, T0 and W0 code options. Only a size designation shall be specified for B1, B10, D1, D10, L1, SW1, SW10, W1, W10, W1E and W1S code options.
- i Indicator Type  
S1P Fluorescent Shuttle with Permanently Sealed Lexan Tube (250°F/121°C max)<sup>1,4,5</sup>  
S1G Fluorescent Shuttle with Hermetically Sealed Glass Tube (350°F/177°C max)<sup>1,4,5</sup>  
S2G High Temperature Shuttle with Hermetically Sealed Glass Tube (1000°F/538°C max)<sup>1,4,5</sup>  
M1P Yellow/Black MBG with Permanently Sealed Lexan Tube (250°F/121°C max)<sup>2,4,5</sup>  
M2P Red/White MBG with Permanently Sealed Lexan Tube (250°F/121°C max)<sup>2,4,5</sup>  
M1G Yellow/Black MBG with Hermetically Sealed Glass Tube (650°F/343°C max)<sup>3,4,5</sup>  
M2G Red/White MBG with Hermetically Sealed Glass Tube (650°F/343°C max)<sup>3,4,5</sup>  
X None
- Notes:  
1. Not available when a single transmitter is used for total & interface level combined.  
2. Add "IH" as an additional ordering code to include insulation pad behind the indicator to increase the temperature rating to 350°F/177°C.
- j Indicator Scale/Ruler  
N No indicator channel (must select "N" for Indicator Type)  
A SS channel; no scale  
B SS channel; SS scale marked in ft / inches with 1/2" divisions (from 0 to 50 ft. standard<sup>3</sup>)  
C SS channel; SS scale marked in meters/centimeters with 1 cm divisions<sup>1,3</sup>  
D SS channel; SS scale marked in running inches with 1/2" divisions<sup>2,3</sup>  
E SS channel; SS scale marked in running inches with 1/8" divisions<sup>2,3</sup>  
F SS channel; custom SS scale (% , gallons , liters , etc.); Provide details of custom scale separate from model number.  
H SS channel; dual scale; Specify types separately from model number.

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### Notes:

1. Standard rulers begin with 0 cm but can be specified from –100 cm to 10 meters.
2. Standard rulers begin with 0 inches but can be specified from: 1/2" divisions: -48" to 216" OR 1/8" divisions: -48" to 144"

### Additional ordering codes

|    |  |
|----|--|
| VV | Vent Valve (In stock only 1/2", 3/4", 1")      |
| IV | Isolation Valve (In stock only 1/2", 3/4", 1") |
| DV | Drain Valve (In stock only 1/2", 3/4", 1")     |

### Inside Services:

|     |  |
|-----|--|
| ASM | Certificate of Compliance to ASME (requires MTR's & Hydrotest)         |
| COC | Certificate of Compliance (General)                                    |
| CCC | Calibration Certificate  |
| CRN | Canadian Registration Number (requires MTR's & Hydrotest)              |
| COO | Certificate of Origin  |
| DFR | Drawings (For Record)  |
| DWG | Drawings (For Approval)  |
| ABD | Drawings (As Built)  |
| FUT | Functional Test  |
| CRV | Float Curve (Total level only)   |
| HYD | Hydrotest  |
| HDC | Hydrotest (with chart recording)                                       |
| ITP | Inspection & Test Plan, No third party inspection allowed; review only |
| MTR | Material Test Reports (MTR's)  |
| MDR | MDR (Manufacturer's Data Records)                                      |
| NAC | NACE Hardness Certificate (requires MTR's)                             |

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## Standardized Model Number Configuration

Table 1

| Chamber/Connection Material |   |
|-----------------------------|---|
| SS4                         | 304 / 304L SS   |
| SS6                         | 316 / 316L SS   |
|                             | Carbon Steel <sup>1</sup>   |
| Notes:                      | <sup>1</sup> Not available as a chamber option. When CST, LCS and DUP materials are chosen, all parts which are not welded directly to the side of the chamber can be of those same material types. |

# KM26S Magnetic Level Gauge

## Standardized Model Number Configuration

Table 2

| Code Options / Definitions |   |
|----------------------------|---|
| B0                         | Blind Flange with Float Stop Spring and Mating Slip-On Flange                                     |
| B1                         | B0 with FNPT <sup>3</sup>   |
| B2                         | B0 with Plug <sup>3</sup>   |
| B3                         | B0 with Socket Weld Half Coupling <sup>3</sup>  |
| B4                         | B0 with FNPT Half Coupling <sup>3</sup>   |
| B5                         | B0 with Nipple, for Socket Welding (Flat) <sup>3</sup>  |
| B6                         | B0 with Nipple, for Butt Welding (37.5° bevel) <sup>3</sup>                                       |
| B7                         | B0 with Nipple, MNPT <sup>3</sup>   |
| B9S                        | B0 with Pipe Nipple and Slip-on Flange <sup>3</sup>   |
| B9W                        | B0 with Pipe Nipple and Weld Neck Flange <sup>3</sup>   |
| B10                        | B0 with Socket Weld Bore <sup>3</sup>   |
| B3L                        | B0 with Flat Sock-o-let or Flat Weld-o-let <sup>3</sup>   |
| B4L                        | B0 with Flat Thread-o-let <sup>3</sup>  |
| B5L                        | B0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Socket Welding (Flat) <sup>3</sup>      |
| B6L                        | B0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Butt Welding (37.5° Bevel) <sup>3</sup> |
| B7L                        | B0 with Flat Sock-o-let or Flat Weld-o-let and Nipple, MNPT <sup>3</sup>                          |
| B9SL                       | B0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Slip-on Flange <sup>3</sup>           |
| B9WL                       | B0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Weld Neck Flange <sup>3</sup>         |
| B4P                        | B0 with FNPT Half Coupling and Plug <sup>3</sup>  |
| B4LP                       | B0 with Flat Thread-o-let and Plug <sup>3</sup>   |
| C0                         | FNPT Coupling   |
| C0P                        | C0 with plug  |
| C0E                        | FNPT Half Coupling Connected via Extruded Outlet <sup>2</sup>                                     |
| C0EP                       | C0E with plug <sup>2</sup>  |
| C0L                        | Thread-o-let (Min. SCH 40 Chamber)  |
| C0C                        | FNPT Coupling with Pipe Nipple  |
| C0CE                       | FNPT Coupling with Pipe Nipple connected via Extruded Outlet <sup>2</sup>                         |
| C1                         | Socket Weld Half Coupling   |
| C1C                        | Socket Weld Coupling with Pipe Nipple   |
| C1CE                       | Socket Weld Coupling with Pipe Nipple connected via Extruded Outlet <sup>2</sup>                  |
| C0LC                       | FNPT Coupling with Pipe Nipple and Sock-o-let (Min. SCH 40 Chamber)                               |
| C1L                        | Sock-o-let (Min. SCH 40 Chamber)  |
| C1LC                       | Socket Weld Coupling with Pipe Nipple and Sock-o-let (Min. SCH 40 Chamber)                        |

# KM26S Magnetic Level Gauge

## Standardized Chamber Configuration

Table 2

| Code Options / Definitions |  |
|----------------------------|--|
| D0                         | Blind Flange with Float Stop Spring and a Mating Weld Neck Flange                                  |
| D1                         | D0 with FNPT <sup>3</sup>  |
| D2                         | D0 with Plug <sup>3</sup>  |
| D3                         | D0 with Socket Weld Half Coupling <sup>3</sup>   |
| D4                         | D0 with FNPT Half Coupling <sup>3</sup>  |
| D5                         | D0 with Nipple, for Socket Welding (flat) <sup>3</sup>   |
| D6                         | D0 with Nipple, for Butt Welding (37.5° Bevel) <sup>3</sup>  |
| D7                         | D0 with Nipple, MNPT <sup>3</sup>  |
| D9S                        | D0 with Pipe Nipple and Slip on Flange <sup>3</sup>  |
| D9W                        | D0 with Pipe Nipple and Weld Neck Flange <sup>3</sup>  |
| D10                        | D0 with Flat Socket Weld Bore <sup>3</sup>   |
| D3L                        | D0 with Flat Sock-o-let <sup>3</sup>   |
| D4L                        | D0 with Thread-o-let <sup>3</sup>  |
| D5L                        | D0 with Flat Sock-o-let and Nipple for Socket Welding (Flat) <sup>3</sup>                          |
| D6L                        | D0 with Flat Sock-o-let or Flat Weld-o-let, and Nipple for Butt Welding (37.5° Bevel) <sup>3</sup> |
| D7L                        | D0 with Flat Sock-o-let or Flat Weld-o-let and Nipple, MNPT <sup>3</sup>                           |
| D9L                        | D0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Slip-on Flange <sup>3</sup>            |
| D3C                        | D0 with Pipe Nipple and Socket Weld Coupling <sup>3</sup>  |
| D4C                        | D0 with Pipe Nipple and FNPT Coupling <sup>3</sup>   |
| D3LC                       | D0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Socket Weld Coupling <sup>3</sup>      |
| D4LC                       | D0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and FNPT Coupling <sup>3</sup>             |
| D4P                        | D0 with FNPT Half Coupling and Plug <sup>3</sup>   |
| D4LP                       | D0 with Flat Thread-o-let and Plug <sup>3</sup>  |
| D4CP                       | D0 with Pipe Nipple, FNPT Coupling and Plug <sup>3</sup>   |
| D4LCP                      | D0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple, FNPT Coupling and Plug <sup>3</sup>       |

# KM26S Magnetic Level Gauge

## Standardized Chamber Configuration

Table 2 (continued)

| Code Options / Definitions |   |
|----------------------------|---|
| F                          | Weld Neck Flange with Float Stop Spring (Top/Bottom Code Option) <sup>1</sup>                       |
| FE                         | Weld Neck Flange connected to chamber via Extruded Outlet <sup>2</sup>                              |
| F0                         | Weld Neck Flange with Pipe Nipple (Side Code Option)  |
| F0E                        | FE with Pipe Between Chamber & Weld Neck Flange <sup>2</sup>  |
| F1                         | Weld Neck Flange with Weld-o-let (Min. SCH 40 Chamber)  |
| F1C                        | Weld Neck Flange with Weld-o-let and Pipe Nipple (Min. SCH 40 Chamber)                              |
| F2                         | Weld Neck Flange with Weld-o-let and Concentric Reducer (Min. SCH 40 Chamber)                       |
| F2C                        | Weld Neck Flange with Weld-o-let and Concentric Reducer and Pipe Nipple (Min. SCH 40 Chamber)       |
| F3                         | Weld Neck Flange with Concentric Reducer  |
| F3E                        | Weld Neck Flange with Concentric Reducer connected to chamber via Extruded Outlet <sup>2</sup>      |
| F3C                        | Weld Neck Flange with Concentric Reducer and Pipe Nipple  |
| F3CE                       | Weld Neck Flange with Concentric Reducer and Pipe Nipple connected via Extruded Outlet <sup>2</sup> |
| F4                         | Weld Neck Flange with Butt Weld Tee   |
| F4C                        | Weld Neck Flange with Butt Weld Tee and Pipe Nipple   |
| F43                        | Weld Neck Flange with Butt Weld Tee and Concentric Reducer  |
| F43C                       | Weld Neck Flange with Butt Weld Tee and Concentric Reducer and Pipe Nipple                          |
| F9                         | Weld Neck Flange with Concentric Reducer (Top/Bottom Code Option)                                   |
| GE                         | Slip-On Flange connected to chamber via Extruded Outlet <sup>2</sup>                                |
| G0                         | Slip-On Flange with Pipe Nipple (Side Code Option) <sup>3</sup>                                     |
| G1                         | Slip-On Flange with Weld-o-let and Pipe Nipple (Min. SCH 40 Chamber) <sup>3</sup>                   |
| G2                         | Slip-On Flange with Weld-o-let, Concentric Reducer and Pipe Nipple                                  |
| G3                         | Slip-On Flange with Concentric Reducer and Pipe Nipple  |
| G3E                        | Slip-On Flange with Concentric Reducer and Pipe Nipple Connected via Extruded Outlet <sup>2</sup>   |
| G4                         | Slip-On Flange with Butt Weld Tee and Pipe Nipple <sup>3</sup>                                      |
| G43                        | Slip-On Flange with Butt Weld-o-let, Concentric Reducer and Pipe Nipple                             |
| N0E                        | Branch Nipple for Socket Weld (Flat) connected to chamber via Extruded Outlet <sup>2</sup>          |
| N0                         | Branch Nipple for Socket Weld (Flat)  |
| N2E                        | Branch Nipple for Butt Welding (37.5° Bevel) connected to chamber via Extruded Outlet <sup>2</sup>  |
| N2                         | Branch Nipple for Butt Welding (37.5° Bevel)  |
| N3E                        | MNPT Branch Nipple connected to chamber via Extruded Outlet <sup>2</sup>                            |
| N3                         | MNPT Branch Nipple  |
| N6                         | Weld-o-let for Butt Welding (Min. SCH 40 Chamber)   |
| N0L                        | Weld-o-let with Nipple for Socket Weld (Flat) (Min. SCH 40 Chamber)                                 |
| N2L                        | Weld-o-let with Nipple, for Butt Welding (37.5° Bevel) (Min. SCH 40 Chamber)                        |
| N3L                        | Weld-o-let with Nipple, MNPT, (Min. SCH 40 Chamber)   |

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## Standardized Chamber Configuration

Table 2 (continued)

| Code Options / Definitions |  |
|----------------------------|--|
| R9                         | Weld Neck Flange with Mating Weld Neck Flange, Concentric Reducer and weld Neck Flange                     |
| S0                         | Screwed Pipe Cap with Float Stop Spring (Min. SCH 40 Chamber)  |
| S4                         | S0 with FNPT Half Coupling (Min. SCH 40 Chamber)   |
| S4P                        | S0 with FNPT Half Coupling and Plug (Min. SCH 40 Chamber)  |
| S7                         | S0 with Nipple, MNPT   |
| SW                         | Socket Weld Flange with Float Stop Spring (Top/Bottom Code Option) <sup>1</sup>                            |
| SW0                        | Blind Flange with Float Stop Spring and Mating Socket Weld Flange  |
| SW1                        | SW0 with FNPT <sup>3</sup>   |
| SW2                        | SW0 with Plug <sup>3</sup>   |
| SW3                        | SW0 with Socket Weld Half Coupling <sup>3</sup>  |
| SW4                        | SW0 with FNPT Half Coupling <sup>3</sup>   |
| SW5                        | SW0 with Nipple, for Socket Welding (Float) <sup>3</sup>   |
| SW6                        | SW0 with Nipple, for Butt Welding (37.5° bevel) <sup>3</sup>   |
| SW7                        | SW0 with Nipple, MNPT <sup>3</sup>   |
| SW9                        | SW0 with Pipe Nipple and Socket Weld Flange <sup>3</sup>   |
| SW10                       | SW0 with Socket Weld Bore <sup>3</sup>   |
| SW3L                       | SW0 with Flat Sock-o-let or Flat Weld-o-let <sup>3</sup>   |
| SW4L                       | SW0 with Flat Thread-o-let <sup>3</sup>  |
| SW5L                       | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Socket Welding (Flat) <sup>3</sup>              |
| SW6L                       | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Butt Welding (37.5° bevel) <sup>3</sup>         |
| SW7L                       | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Nipple, MNPT <sup>3</sup>                       |
| SW9L                       | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple for Pipe Nipple and Socket Weld Flange <sup>3</sup> |
| SW3C                       | SW0 with Pipe Nipple and Socket Weld Coupling <sup>3</sup>   |
| SW4C                       | SW0 with Pipe Nipple and FNPT Coupling <sup>3</sup>  |
| SW3LC                      | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple and Socket Weld Coupling <sup>3</sup>               |
| SW4LC                      | SW0 with Flat Sock-o-let or Flat Weld-o-let and Nipple and FNPT Coupling <sup>3</sup>                      |
| SW4P                       | SW0 with FNPT Half Coupling and Plug <sup>3</sup>  |
| SW4LP                      | SW0 with Thread-o-let and Plug <sup>3</sup>  |
| SW4CP                      | SW0 with Pipe Nipple, FNPT Half Coupling and Plug <sup>3</sup>   |
| SW4LCP                     | SW0 with Thread-o-let, Pipe Nipple, FNPT Coupling and Plug <sup>3</sup>                                    |
| SWS1                       | Socket Weld Flange with Weld-o-let or Sock-o-let and Pipe Nipple   |
| SWS                        | Socket Weld Flange with Pipe Nipple  |
| SWE                        | Socket Weld Flange connected to chamber via Extruded Outlet <sup>2</sup>                                   |
| SWS3                       | Socket Weld Flange with Concentric Reducer and Pipe Nipple   |
| SWS3E                      | Socket Weld Flange with Concentric Reducer and Pipe Nipple connected via Extruded Outlet                   |
| SWS4                       | Socket Weld Flange with Butt Weld Tee and Pipe Nipple  |
| SWS2                       | Socket Weld Flange with Sock-o-let, Pipe Nipple, Concentric Reducer and Pipe Nipple                        |
| SWS43                      | Socket Weld Flange with Butt Weld Tee, Concentric Reducer and Pipe Nipple                                  |



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## Standardized Chamber Configuration

Table 2 (continued)

| Code Options / Definitions |  |
|----------------------------|--|
| T0                         | Butt Welded Pipe Cap   |
| T3                         | T0 with Socket Weld Half Coupling  |
| T4                         | T0 with FNPT Half Coupling   |
| T5                         | T0 with Nipple, for Socket Welding (Flat)  |
| T6                         | T0 with Nipple, for Butt Welding (37.5° Bevel)   |
| T7                         | T0 with Nipple, MNPT   |
| T9S                        | T0 with Nipple and Slip on Flange <sup>3</sup>   |
| T9SW                       | T0 with Nipple and Socket Weld Flange  |
| T9W                        | T0 with Nipple and Weld Neck Flange  |
| T3L                        | T0 with Flat Sock-o-let  |
| T4L                        | T0 with Flat Thread-o-let  |
| T4P                        | T0 with FNPT Half Coupling and Plug  |
| T4LP                       | T0 with Flat Thread-o-let and Plug   |
| T5L                        | T0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple, for Socket Welding (Flat)      |
| T6L                        | T0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple, for Butt Welding (37.5° Bevel) |
| T7L                        | T0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple, MNPT                           |
| T9SL                       | T0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Slip on Flange <sup>3</sup>    |
| T9WL                       | T0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Weld Neck Flange               |
| T9SWL                      | T0 with Flat Sock-o-let or Flat Weld-o-let, Pipe Nipple and Socket Weld Flange             |

# KM26S Magnetic Level Gauge

## Standardized Chamber Configuration

Table 2 (continued)

| Code Options / Definitions |   |
|----------------------------|---|
| W0                         | Welded Flat Pipe Cap with Float Stop Spring   |
| W1                         | W0 with FNPT  |
| W2                         | W0 with Plug  |
| W3                         | W0 with Socket Weld Half Coupling   |
| W4                         | W0 with FNPT Half Coupling  |
| W5                         | W0 with Nipple, for Socket Welding (Flat)   |
| W6                         | W0 with Nipple, for Butt Welding (37.5° Bevel)  |
| W7                         | W0 with Nipple, MNPT  |
| W9S                        | W0 with Nipple and Slip on Flange <sup>3</sup>  |
| W9W                        | W0 with Nipple and Weld Neck Flange   |
| W10                        | W0 with Socket Weld Bore  |
| W3L                        | W0 with Flat Sock-o-let   |
| W4L                        | W0 with Flat Thread-o-let   |
| W5L                        | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple for Socket Welding (Flat)      |
| W6L                        | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple for Butt Welding (37.5° Bevel) |
| W7L                        | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple, MNPT                          |
| W9SL                       | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple and Slip-on Flange             |
| W9WL                       | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple and Weld Neck Flange           |
| W9SWL                      | W0 with Flat Sock-o-let or Flat Weld-o-let and Pipe Nipple and Socket Weld Flange         |
| W1E                        | Branch Nipple with Flat End Cap with FNPT, connected via Extruded Outlet <sup>2</sup>     |
| W1S                        | Branch Nipple with Flat End Cap with FNPT, connected via Saddle Weld                      |
| X                          | No Connection   |

- Notes:
- When a flanged option (F, G, L, SW) is a process connection on either end of the chamber as shown in the configuration tables these will be provided with a float stop bar (or disk) and spring to keep the float confined in the chamber.
  - Extruded outlet connections can be utilized as follows:

|                   | Chamber Schedule | Flange/Pipe Sizes | COUPLING SIZES   |
|-------------------|------------------|-------------------|------------------|
| *Stainless Steel: | 10               | 1", 1-1/2" & 2"   | 3/4", 1", 1 1/4" |
| *Stainless Steel: | 40               | 1-1/2" & 2"       | 1 1/4"           |

\*Includes SS4 and SS6 material types.

# KM26S Magnetic Level Gauge

## Standardized Chamber Configuration - Top

|      |       |      |      |       |     |      |
|------|-------|------|------|-------|-----|------|
| B0   | B1    | B2   | B3   | B4    | B5  | B6   |
| B7   | B9S   | B9W  | B10  | B3L   | B4L | B5L  |
| B6L  | B7L   | B9SL | B9WL | B3C   | B4C | B3LC |
| B4LC | B4P   | B4LP | B4CP | B4LCP | D0  | D1   |
| D2   | D3    | D4   | D5   | D6    | D7  | D9S  |
| D9W  | D10   | D3L  | D4L  | D5L   | D6L | D7L  |
| D9L  | D3C   | D4C  | D3LC | D4LC  | D4P | D4LP |
| D4CP | D4LCP | F    | F9   | G     | L   | L1   |
| L2   | L39   | L9   | R9   | S0    | S4  | S4P  |
| S7   | SW    | SW0  | SW1  | SW2   | SW3 | SW4  |

# KM26S Magnetic Level Gauge

## Standardized Chamber Configuration - Top

|       |      |                |       |                |      |       |
|-------|------|----------------|-------|----------------|------|-------|
| SW5   | SW6  | SW7            | SW9   | SW10           | SW3L | SW4L  |
| SW5L  | SW6L | SW7L           | SW9L  | SW3C           | SW4C | SW3LC |
| SW4LC | SW4P | SW4LP          | SW4CP | SW4LCP         | T0   | T3    |
| T4    | T5   | T6             | T7    | T9S and T9SW   | T9W  | T3L   |
| T4L   | T5L  | T6L            | T7L   | T9SL and T9SWL | T9WL | T3C   |
| T4C   | T3LC | T4LC           | T4P   | T4LP           | T4CP | T4LCP |
| W0    | W1   | W2             | W3    | W4             | W5   | W6    |
| W7    | W9S  | W9W            | W10   | W3L            | W4L  | W5L   |
| W6L   | W7L  | W9SL and W9SWL | W9WL  | W3C            | W4C  | W3LC  |
| W4LC  | W4LP | W4CP           | W4LCP |                |      |       |

# KM26S Magnetic Level Gauge

## Standardized Chamber Configuration - Side

|      |      |      |       |      |      |      |
|------|------|------|-------|------|------|------|
| C0   | C0E  | C1   | C0P   | C0EP | C0L  | C1L  |
| C0C  | C0CE | C1C  | C1CE  | C0LC | C1LC | FE   |
| F0   | F0E  | F1   | F1C   | F2   | F2C  | F3   |
| F3E  | F3C  | F3CE | F4    | F4C  | F43  | F43C |
| GE   | G0   | G1   | G2    | G3   | G3E  | G4   |
| G43  | LE   | L0   | L4    | LCE  | L43  | LC   |
| L3E  | L3   | L3EC | L3C   | N0E  | N0   | N2E  |
| N2   | N3E  | N3   | N6    | N0L  | N2L  | N3L  |
| SWS1 | SWSE | SWS3 | SWS3E | SWS4 | W1E  | W1S  |
| X    |      |      |       |      |      |      |

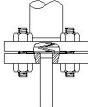
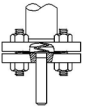
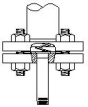
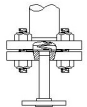
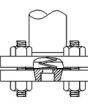
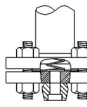
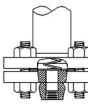
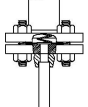
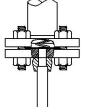
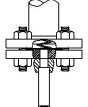
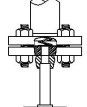
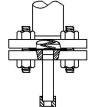
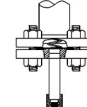
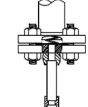
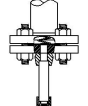
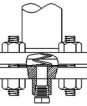
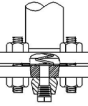
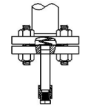
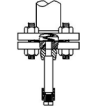

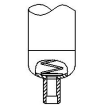
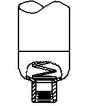
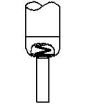
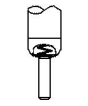
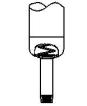

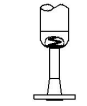
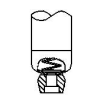
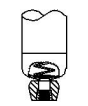
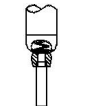
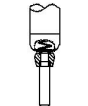
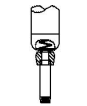
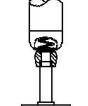
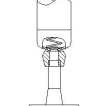
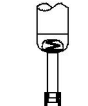
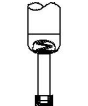
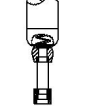
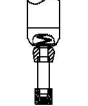
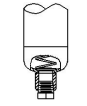
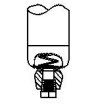
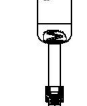
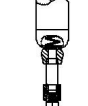

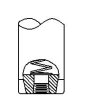
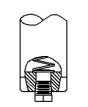
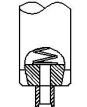
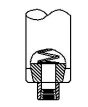
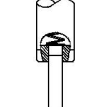
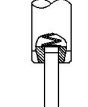
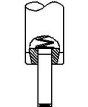
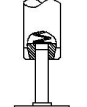
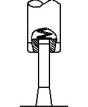
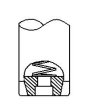
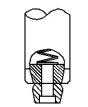
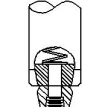
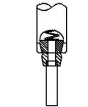
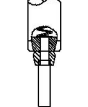
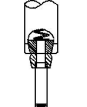
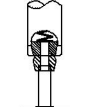
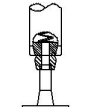
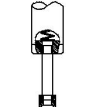
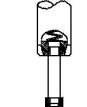
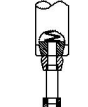
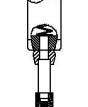
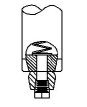
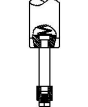
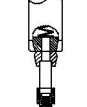
# KM26S Magnetic Level Gauge

## Standardized Chamber Configuration - Bottom

|      |       |      |      |       |     |      |
|------|-------|------|------|-------|-----|------|
| B0   | B1    | B2   | B3   | B4    | B5  | B6   |
| B7   | B9S   | B9W  | B10  | B3L   | B4L | B5L  |
| B6L  | B7L   | B9SL | B9WL | B3C   | B4C | B3LC |
| B4LC | B4P   | B4LP | B4CP | B4LCP | D0  | D1   |
| D2   | D3    | D4   | D5   | D6    | D7  | D9S  |
| D9W  | D10   | D3L  | D4L  | D5L   | D6L | D7L  |
| D9L  | D3C   | D4C  | D3LC | D4LC  | D4P | D4LP |
| D4CP | D4LCP | F    | F9   | G     | L   | L1   |
| L2   | L39   | L9   | R9   | S0    | S4  | S4P  |
| S7   | SW    | SW0  | SW1  | SW2   | SW3 | SW4  |

# KM26S Magnetic Level Gauge

## Standardized Chamber Configuration - Bottom

|   |   |   |  |  |   |  |
|---|---|---|--|--|---|--|
| SW5<br>    | SW6<br>    | SW7<br>              | SW9<br>     | SW10<br>             | SW3L<br>   | SW4L<br>    |
| SW5L<br>   | SW6L<br>   | SW7L<br>             | SW9L<br>    | SW3C<br>             | SW4C<br>   | SW3LC<br>   |
| SW4LC<br>  | SW4P<br>   | SW4LP<br>            | SW4CP<br>   | SW4LCP<br>           | T0<br>     | T3<br>      |
| T4<br>    | T5<br>    | T6<br>              | T7<br>     | T9S and T9SW<br>    | T9W<br>   | T3L<br>    |
| T4L<br>  | T5L<br>  | T6L<br>            | T7L<br>   | T9SL and T9SWL<br> | T9WL<br> | T3C<br>   |
| T4C<br>  | T3LC<br> | T4LC<br>           | T4P<br>   | T4LP<br>           | T4CP<br> | T4LCP<br> |
| W0<br>   | W1<br>   | W2<br>             | W3<br>    | W4<br>             | W5<br>   | W6<br>    |
| W7<br>   | W9S<br>  | W9W<br>            | W10<br>   | W3L<br>            | W4L<br>  | W5L<br>   |
| W6L<br>  | W7L<br>  | W9SL and W9SWL<br> | W9WL<br>  | W3C<br>            | W4C<br>  | W3LC<br>  |
| W4LC<br> | W4LP<br> | W4CP<br>           | W4LCP<br> |  |   |  |

# KM26S Magnetic Level Gauge

## Standardized Chamber Configuration

Table 3

| Flanged Connections |                 |                  |                      |                    |
|---------------------|-----------------|------------------|----------------------|--------------------|
|                     | Pressure Rating | Slip on Flanges: | Socket Weld Flanges: | Weld Neck Flanges: |
| Size                |                 | Raised Face      | Raised Face          | Raised Face        |
| 1/2"                | 150#            | SR51             | SWR51                | WR51               |
|                     | 300#            | SR53             | SWR53                | WR53               |
|                     | 600#            | SR56             | SWR56                | WR56               |
| 3/4"                | 150#            | SR71             | SWR71                | WR71               |
|                     | 300#            | SR73             | SWR73                | WR73               |
|                     | 600#            | SR76             | SWR76                | WR76               |
| 1"                  | 150#            | SR11             | SWR11                | WR11               |
|                     | 300#            | SR13             | SWR13                | WR13               |
|                     | 600#            | SR16             | SWR16                | WR16               |
| 1-1/2"              | 150#            | SR151            | SWR151               | WR151              |
|                     | 300#            | SR153            | SWR153               | WR153              |
|                     | 600#            | SR156            | SWR156               | WR156              |
| 2"                  | 150#            | SR21             | SWR21                | WR21               |
|                     | 300#            | SR23             | SWR23                | WR23               |
|                     | 600#            | SR26             | SWR26                | WR26               |
| 2-1/2"              | 150#            | SR251            | SWR251               | WR251              |
|                     | 300#            | SR253            | SWR253               | WR253              |
|                     | 600#            | SR256            | SWR256               | WR256              |
| 3"                  | 150#            | SR31             | SWR31                | WR31               |
|                     | 300#            | SR33             | SWR33                | WR33               |
|                     | 600#            | SR36             | SWR36                | WR36               |



# KM26S Magnetic Level Gauge

## Standardized Connection Sizes & Ratings

Table 3 (continued)

| Size | Pressure Rating | Slip on Flanges: | Socket Weld Flanges: | Weld Neck Flanges: |
|------|-----------------|------------------|----------------------|--------------------|
|      |                 | Raised Face      | Raised Face          | Raised Face        |
| 4"   | 150#            | SR41             | N/A                  | WR41               |
|      | 300#            | SR43             | N/A                  | WR43               |
|      | 600#            | SR46             | N/A                  | WR46               |
|      |                 |                  |                      |                    |

NOTES:

- Extruded Outlets are full bore up to a maximum of 2" See Note 2, Table 2 on page 11.
- Flat face flanges can be supplied in lieu of raised face. Replace "R" notation with "F". (i.e. For a ½" 150# flat face slip-on. . . SF51)
- The items marked "N/A" are not available per ASME B16.5.

| Weld-o-lets: |         |             | Sock-o-lets: |        |             | Thread-o-lets: |        |             |
|--------------|---------|-------------|--------------|--------|-------------|----------------|--------|-------------|
| Size         | Rating  | Designation | Size         | Rating | Designation | Size           | Rating | Designation |
| 1/2"         | SCH 40  | W054        | 1/2"         | 3000#  | S053        | 1/2"           | 3000#  | T053        |
| 3/4"         | SCH 40  | W075        | 3/4"         | 3000#  | S073        | 3/4"           | 3000#  | T073        |
| 1"           | SCH 40  | W104        | 1"           | 3000#  | S103        | 1"             | 3000#  | T103        |
| 1-1/2"       | SCH 40  | W154        | 1-1/2"       | 3000#  | S153        | 1-1/2"         | 3000#  | T153        |
| 2"           | SCH 40  | W204        | 2"           | 3000#  | S203        | 2"             | 3000#  | T203        |
| 1/2"         | SCH 80  | W058        | 1/2"         | 6000#  | S056        | 1/2"           | 6000#  | T056        |
| 3/4"         | SCH 80  | W078        | 3/4"         | 6000#  | S076        | 3/4"           | 6000#  | T076        |
| 1"           | SCH 80  | W108        | 1"           | 6000#  | S106        | 1"             | 6000#  | T106        |
| 1-1/2"       | SCH 80  | W158        | 1-1/2"       | 6000#  | S156        | 1-1/2"         | 6000#  | T156        |
| 2"           | SCH 80  | W208        | 2"           | 6000#  | S206        | 2"             | 6000#  | T206        |
| 1/2"         | SCH 160 | W051        |              |        |             |                |        |             |
| 3/4"         | SCH 160 | W071        |              |        |             |                |        |             |
| 1"           | SCH 160 | W101        |              |        |             |                |        |             |
| 1-1/2"       | SCH 160 | W151        |              |        |             |                |        |             |
| 2"           | SCH 160 | W201        |              |        |             |                |        |             |

| Pipe Nipples: |         |             | Plugs: |        |             | Threaded Couplings: |        |             | Socket Weld Couplings: |        |             | Female Threaded & Socket Weld Connection Designation |                  |                 |
|---------------|---------|-------------|--------|--------|-------------|---------------------|--------|-------------|------------------------|--------|-------------|--|------------------|-----------------|
| Size          | Rating  | Designation | Size   | Rating | Designation | Size                | Rating | Designation | Size                   | Rating | Designation | Size   | FNPT Designation | FSW Designation |
| 1/2"          | SCH 40  | N054        | 1/2"   | 3000#  | P053        | 1/2"                | 3000#  | C053        | 1/2"                   | 3000#  | SC053       | 1/2"   | FN05             | SW05            |
| 3/4"          | SCH 40  | N074        | 3/4"   | 3000#  | P073        | 3/4"                | 3000#  | C073        | 3/4"                   | 3000#  | SC073       | 3/4"   | FN07             | SW07            |
| 1"            | SCH 40  | N104        | 1"     | 3000#  | P103        | 1"                  | 3000#  | C103        | 1"                     | 3000#  | SC103       | 1"   | FN10             | SW10            |
| 1-1/2"        | SCH 40  | N154        | 1-1/2" | 3000#  | P153        | 1-1/2"              | 3000#  | C153        | 1-1/2"                 | 3000#  | SC153       | 1-1/2"   | FN15             | SW15            |
| 2"            | SCH 40  | N204        | 2"     | 3000#  | P203        | 2"                  | 3000#  | C203        | 2"                     | 3000#  | SC203       | 2"   | FN20             | SW20            |
| 1/2"          | SCH 80  | N058        | 1/2"   | 6000#  | P056        | 1/2"                | 6000#  | C056        | 1/2"                   | 6000#  | SC056       |  |                  |                 |
| 3/4"          | SCH 80  | N078        | 3/4"   | 6000#  | P076        | 3/4"                | 6000#  | C076        | 3/4"                   | 6000#  | SC076       |  |                  |                 |
| 1"            | SCH 80  | N108        | 1"     | 6000#  | P106        | 1"                  | 6000#  | C106        | 1"                     | 6000#  | SC106       |  |                  |                 |
| 1-1/2"        | SCH 80  | N158        | 1-1/2" | 6000#  | P156        | 1-1/2"              | 6000#  | C156        | 1-1/2"                 | 6000#  | SC156       |  |                  |                 |
| 2"            | SCH 80  | N208        | 2"     | 6000#  | P206        | 2"                  | 6000#  | C206        | 2"                     | 6000#  | SC206       |  |                  |                 |
| 1/2"          | SCH 160 | N051        |        |        |             |                     |        |             |                        |        |             |  |                  |                 |
| 3/4"          | SCH 160 | N071        |        |        |             |                     |        |             |                        |        |             |  |                  |                 |
| 1"            | SCH 160 | N101        |        |        |             |                     |        |             |                        |        |             |  |                  |                 |
| 1-1/2"        | SCH 160 | N151        |        |        |             |                     |        |             |                        |        |             |  |                  |                 |
| 2"            | SCH 160 | N201        |        |        |             |                     |        |             |                        |        |             |  |                  |                 |

# KM26S Magnetic Level Gauge

## Transmitter & Switch Accessories

### Magnetostrictive Level Transmitters

AT200: Refer to AT200-0202-1 Data Sheet for Ordering Information  
AT600: Refer to AT600-0202-1 Data Sheet for Ordering Information

### Magnetic Level Gauge Switches

MS30: Refer to MS30-0202-1 Data Sheet for Ordering Information  
MS40: Refer to MS40-0202-1 Data Sheet for Ordering Information  
MS41: Refer to MS41-0202-1 Data Sheet for Ordering Information  
PS35: Refer to PS35-0202-1 Data Sheet for Ordering Information  
PS45: Refer to PS45-0202-1 Data Sheet for Ordering Information

### Vibration Level Switch

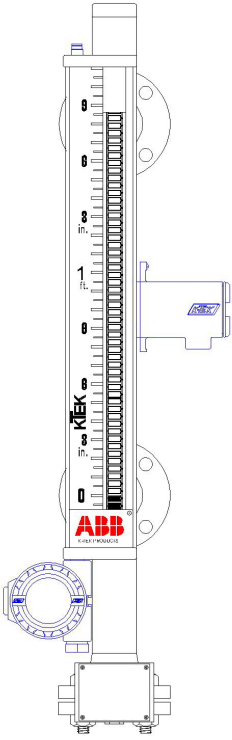
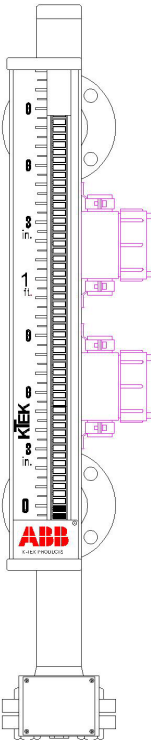
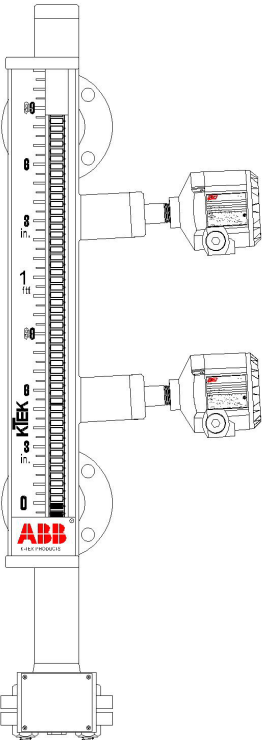
RS85: Refer to RS85-0202-1 Data Sheet for Ordering Information

### Thermal Dispersion Switch

TX: Refer to TX-0202-1 Data Sheet for Ordering Information

All data sheets are available on the ABB website at [www.abb.com/level](http://www.abb.com/level).

### Sample Accessories

| KM26 with AT200 & MS41  | KM26 with 2 MS40EX's  | KM26 with 1 TX & 1 RS85   |
|---|---|---|
|  |  |  |

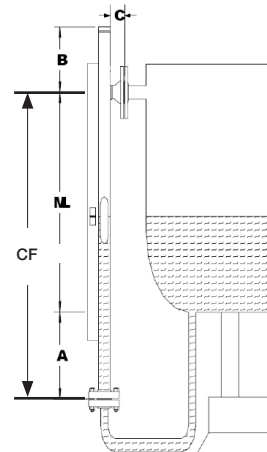
# KM26S Magnetic Level Gauge

## Example Applications

### Top Process (from Side) and Bottom Process (from bottom) of KM26 (Center to Face)

Sample Model #:  
KM26S.SS6.SS6.WO.FE.X.G.WR21.SR21.S1G.B-IH1.TT1

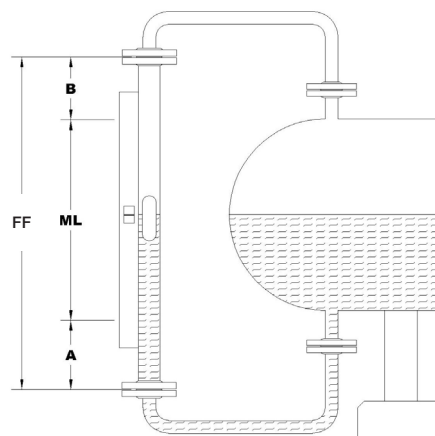
Note: The required CF and/or ML dimensions shall be specified by the customer.



### Top Process and Bottom Process (from top and bottom) of KM26 (Face to Face)

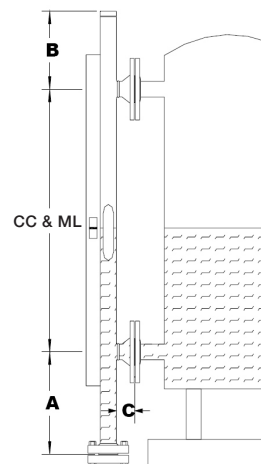
Sample Model #:  
KM26S.SS6.CST.G.X.X.G.SR21.SR21.S1P.C

Note: The required FF and/or ML dimensions (in addition to the desired A and B dimensions) shall be specified by the customer.



### Top and Bottom Process Connection (from side) of KM26 (Center to Center)

Sample Model #:  
KM26S.SS4.SS4.WO.FE.FE.B0.WR23.WR23.S2G.D



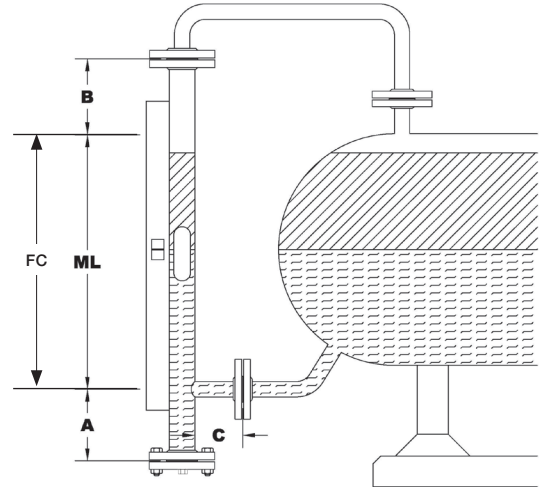
# KM26S Magnetic Level Gauge

## Example Applications

### Top Process (from top) and Bottom Process (from bottom side) of KM26 (Face to Center)

Sample Model #:  
KM26S.SS6.CST.G.X.GE.B2.SR21.SR21.P073.S2G.B

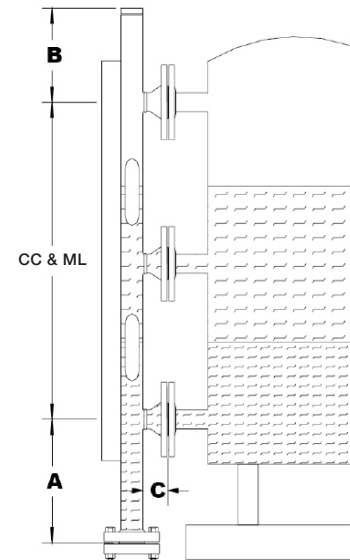
Note: The required FC and/or ML dimensions shall be specified by the customer.



### Dual Level Application (Center to Center to Center)

Sample Model #:  
KM26S.SS6.SS6.W0.FE.FE.FE.B0.WR21.WR21.WR21.M1GD.B

Note: The distance between each side connection shall be specified by the customer.



# KM26S Magnetic Level Gauge

## Quotation Request - KM26S - Side Mount

Factory Contact: \_\_\_\_\_

### Seller Information

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Company or LBU: \_\_\_\_\_  
Main Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_

### End User Information

Name: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Company or LBU: \_\_\_\_\_  
Country of Final Destination: \_\_\_\_\_

**Note:** This information will be required before accepting an order.

**\* All fields required**

Tag ID#: \_\_\_\_\_

### Process Conditions

Application for (select one): Total Level - Interface Level - Total & Interface

Upper Fluid Operating Sp. Gravity: \_\_\_\_\_

Minimum Specific Gravity: \_\_\_\_\_

Lower Fluid Second Sp. Gravity: \_\_\_\_\_

Fluid(s): \_\_\_\_\_ If water, steam service? Yes - No

Operating Temp: \_\_\_\_\_ Max Temp: \_\_\_\_\_ Min. Temp: \_\_\_\_\_

Operating Pressure: \_\_\_\_\_ Max Pressure: \_\_\_\_\_

Minimum Ambient Temperature: \_\_\_\_\_

High Vibration Environment (Compressor Etc.)? Yes - No

### Chamber & Float Details

Chamber Material: \_\_\_\_\_

Float Material: \_\_\_\_\_

Flange Material: \_\_\_\_\_

Center to Center/ Measuring Length: \_\_\_\_\_

Vent/Drain Type & Size: \_\_\_\_\_

### Process Connection

Type: \_\_\_\_\_

Size: \_\_\_\_\_

Rating: \_\_\_\_\_

### Indicator Details

Select: \_\_\_ Shuttle or

\_\_\_ Bar Graph (choose color combination) Yellow/Black - Red/White

Scale (select one): Feet/In - Running In. (1/2" Div.) - Running In. (1/8") - Meter/cm - Custom \_\_\_\_\_

Special Requirements: \_\_\_\_\_

# KM26S Magnetic Level Gauge

## Quotation Request - KM26S - Side Mount

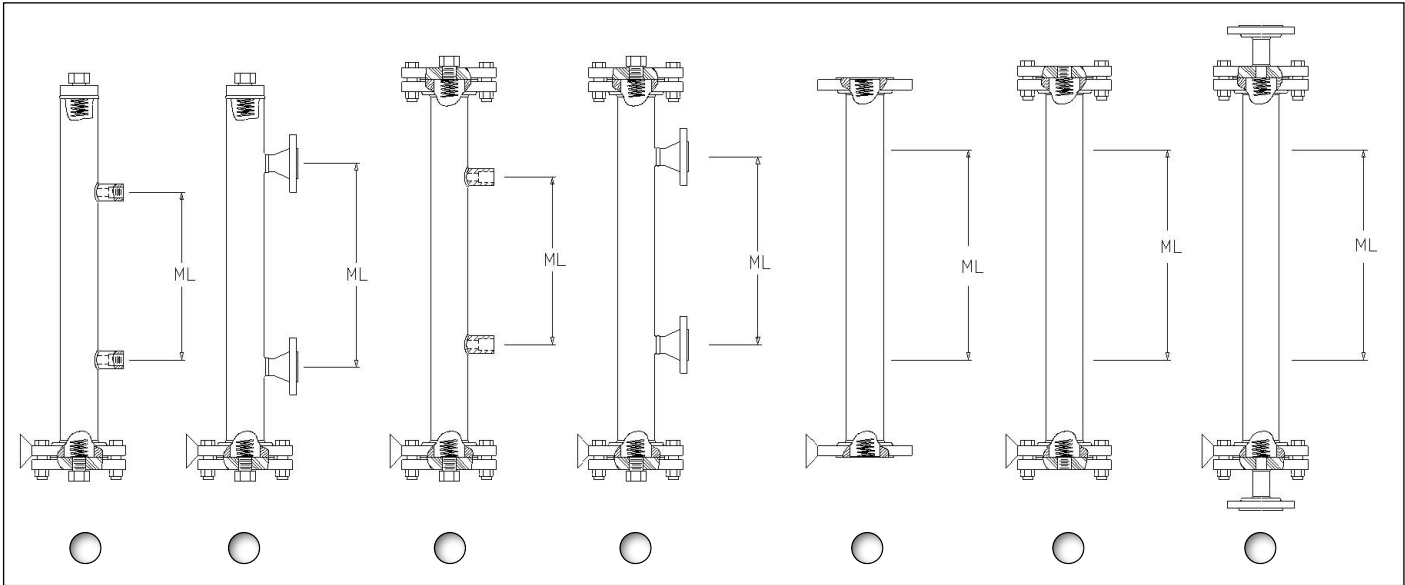
### Accessories Required (choose all that apply)

- ☐ Chamber Insulation
- ☐ Electric Heat Tracing
- ☐ Steam Jacket
- ☐ Steam Tracing
- ☐ Magnetic Particle Traps
- ☐ Specialty Process Connection (specify type: \_\_\_\_\_)
- ☐ Switches (specify type: \_\_\_\_\_)
- ☐ Transmitter - AT600 or AT200 (select: FFB, Hart, LCD, Honeywell DE)

### Approval or Documentation required:

- ☐ CRN
- ☐ GOST – Russian
- ☐ ABS
- ☐ PED
- ☐ ASME
- ☐ NACE
- ☐ Other

### Choose the appropriate configuration below or attach a sketch



### Select orientation (only 1 accessory allowed per position)

- Indicator: ☐ 3:00 ☐ 6:00 ☐ 9:00
- AT Transmitter: ☐ 3:00 ☐ 6:00 ☐ 9:00
- Switches: ☐ 3:00 ☐ 6:00 ☐ 9:00
- 9:00

3:00

6:00

**Note:** Overall length will always be greater than measuring length (ML). Please specify if a max overall length is required.

# Contact us

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Sales



Service

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Soluciones en Instrumentación,  
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