

## TOP MOUNTED EXTREME TEMPERATURE MAGNETIC TANK GAUGES WITH ELECTRONIC OUTPUT MODEL SERIES HT AND HTD

### DESCRIPTION

KSR Kuebler magnetic level gauges, series "HT" & "HTD" provide a continuous 4 to 20 mA output. Loop powered, the KSR units easily interface into existing control loops. KSR High Temperature level gauges are designed for use in the most demanding Petroleum, Petrochemical, and Power applications. KSR Kuebler Series "HT" level gauges are top mounted units that install through the top of the process vessel via ANSI flange or NPT connection. Series "HTD" provide a continuous level output of **two levels**, product and interface. Both outputs are two discreet 4-20mA loops.

Series "HT" units employ the reliable KSR Kuebler resistance measuring chain design. An array of magnetic sensor chips are positioned along the sensor tube interior length that detect the float's position to a highly accurate degree. The sensor's absolute digital output is then converted into an analog output.

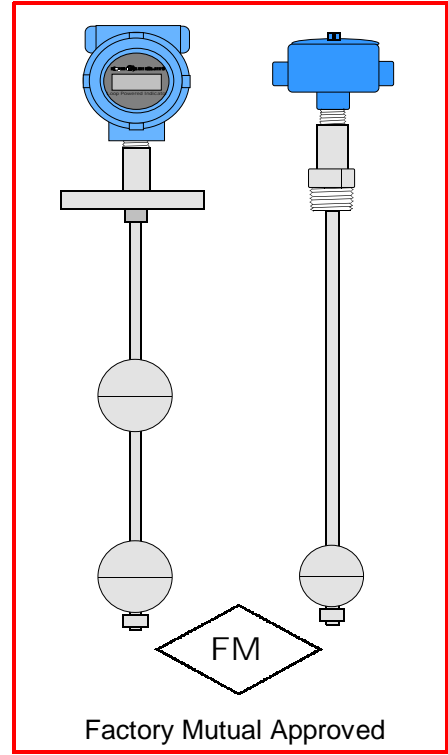
Reliable high temperature liquid tank level sensing made easy.

### STANDARD FEATURES

Series "HT" & "HTD" gauges from KSR Kuebler offer the following standard features:

- ◆ Extreme high and low process temperature capabilities.
- ◆ Two wire loop powered 4-20mA output.
- ◆ Lengths to 240" (6,000+mm).
- ◆ Wide selection of materials of construction, both for wetted and environmental parts.
- ◆ Factory Mutual® Approved Explosion Proof & Intrinsically safe for use in hazardous locations.
- ◆ Dual float models (dual loops) for sensing interface and product, from a single unit.
- ◆ Wide selection of industrial process connections, welded to the sensor.
- ◆ Low specific gravities and high pressure services.
- ◆ All Stainless Steel wetted parts are standard for extra value.

The above standard features allow you to select a model that best suits your process control needs, directly from this technical guide.



**Standard KSR Kuebler Units**

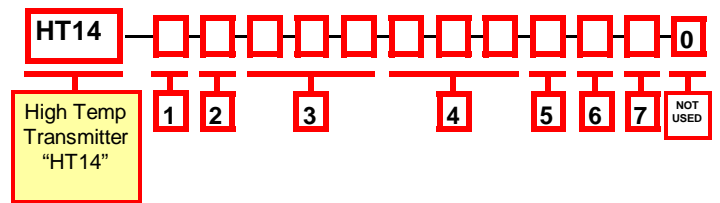
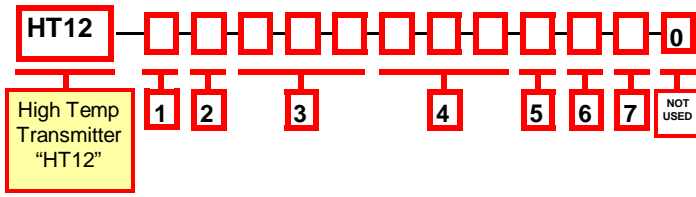
A KSR Kuebler tank gauge type "HT18" shown with a Group B enclosure and local LCD display (left) and an welded ANSI flange.

An "HTD18" with an explosion proof cast aluminum type enclosure and a welded NPT connection is on the right. The HTD is capable of dual level sensing.

**Catalog 1001HTmini**  
04/16/02 rv B



DIAL toll free  
1-888-KSR-LEVEL  
for factory  
application



**1. RESOLUTION:** F = .59" (15mm); H = .78" (20mm) Operating temperature range for the HT12 is **-300°F to + 480°F.**

**2. MATERIALS OF CONSTRUCTION** (Wetted Parts):  
**S**=316 Ti Stainless steel; **L**=316L Stainless Steel; **C**=Hastelloy C; **B**=Hastelloy B; **T**=Titanium.

**3. SENSOR LENGTH:** In whole inches, up to **120"**. (As measured from face of process connection to the tip of the float guide tube.)  
**EXAMPLE:** A 30" sensor would be entered as "030". When you determine the location of the lowest level possible (0%), add to the sensor length 1/2 of the float height plus 1/2" minimum. If you select an adjustable fitting as your process connection in #4 below, add an additional 2" to the total sensor length.

**4. CONNECTION SIZE AND TYPE:** **F10**=1.0" ANSI flange; **F15**=1.5" ANSI flange; **F20**=2.0" ANSI flange; **F25**=2.5" ANSI flange; **F30**=3.0" ANSI flange; **F40**=4.0" ANSI flange; **F50**=5.0" ANSI flange; **F60**=6.0" ANSI flange; **N05**=1/2" NPT; **N75**=3/4" NPT; **N10**=1" NPT; **N15**=1-1/2" NPT; **N20**=2" NPT; **NAD**=1/2" NPT adjustable fitting.

**5. CONNECTION RATING\*:** **A**=150# ANSI; **B**=300# ANSI; **C**=600# ANSI; **D**=NPT 1,000 PSI.  
**NOTE:**Total unit rating may be limited by the float you select, please see the KSR float guide.

**6. ELECTRONICS OPTIONS:** **0** = remote electronics, terminal block only; **1** = integral 4-20 mA loop powered with potted electronics; **3** = 24 VDC Loop Powered electronics with Integral LCD indicator with explosion proof and NEMA 4X enclosure, cast aluminum housing with KSR Blue Epoxy coating. Choice "3" requires selecting housing option "9" below. For option "0" above, you cannot select option "9" in field "7" below.

**NOTE:** 0-10VDC and 0-20mA output electronics are also available for these units. These are only available as remote mounted types so be sure to select option "0" above. Consult factory or refer to KSR bulletin 1011 for these electronic options.

**7. ELECTRICAL HOUSING:** **3** = Group B explosion proof stainless steel with viewing window for LCD Indicator, dual 3/4" NPT conduit entries, LCD local indicator included; **4** = NEMA 4X die cast aluminum w/ Kuebler Red powder coating & 1/2" NPT conduit entry; **7** = Group B explosion proof & NEMA 4X cast aluminum with KSR blue epoxy coating & dual 3/4" NPT conduit entries; **8** = Group B explosion proof stainless steel with dual 3/4" NPT conduit entry. **9** = Group B explosion proof cast aluminum with viewing window for LCD Indicator, dual 3/4" NPT conduit entries, KSR blue epoxy finish. LCD local indicator included.

Last, select the float that matches your process requirements. KSR Kuebler calibrates floats for interface service.

**1. RESOLUTION:** D = .39" (10mm); F = .59" (15mm); H = .79" (20mm). Operating range for the HT14 is **-300°F to + 480°F.**

**2. MATERIALS OF CONSTRUCTION** (Wetted Parts):  
**S**=316 Ti Stainless steel; **L**=316L Stainless Steel; **C**=Hastelloy C; **B**=Hastelloy B; **T**=Titanium.

**3. SENSOR LENGTH:** In whole inches, up to **120"**. (As measured from face of process connection to the tip of the float guide tube.)  
**EXAMPLE:** A 108" sensor would be entered as "108". When you determine the location of the lowest level possible (0%), add to the sensor length 1/2 of the float height plus 1/2" minimum. If you select an adjustable fitting as your process connection in #4 below, add an additional 2" to the total sensor length.

**4. CONNECTION SIZE AND TYPE:** **F10**=1.0" ANSI flange; **F15**=1.5" ANSI flange; **F20**=2.0" ANSI flange; **F25**=2.5" ANSI flange; **F30**=3.0" ANSI flange; **F40**=4.0" ANSI flange; **F50**=5.0" ANSI flange; **F60**=6.0" ANSI flange; **N75**=3/4" NPT; **N10**=1" NPT; **N15**=1-1/2" NPT; **N20**=2" NPT; **NAD**=1/2" NPT adjustable fitting.

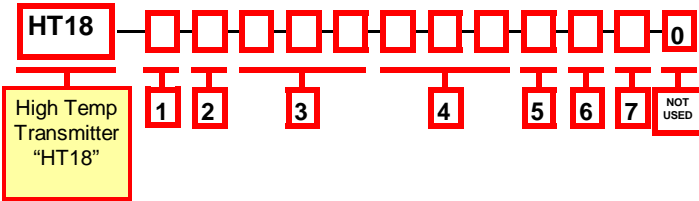
**5. CONNECTION RATING\*:** **A**=150# ANSI; **B**=300# ANSI; **C**=600# ANSI; **D**=NPT 1,000 PSI.  
**NOTE:**Total unit rating may be limited by the float you select, please see the KSR float guide.

**6. ELECTRONICS OPTIONS:** **0** = remote electronics, terminal block only; **1** = integral 4-20 mA loop powered with potted electronics; **3** = 24 VDC Loop Powered electronics with Integral LCD indicator with explosion proof and NEMA 4X enclosure, cast aluminum housing with KSR Blue Epoxy coating. Choice "3" requires selecting housing option "9" below. For option "0" above, you cannot select option "9" in field "7" below.

**NOTE:** 0-10VDC and 0-20mA output electronics are also available for these units. These are only available as remote mounted types so be sure to select option "0" above. Consult factory or refer to KSR bulletin 1011 for these electronic options.

**7. ELECTRICAL HOUSING:** **3** = Group B explosion proof stainless steel with viewing window for LCD Indicator, dual 3/4" NPT conduit entries, LCD local indicator included; **4** = NEMA 4X die cast aluminum w/ Kuebler Red powder coating & 1/2" NPT conduit entry; **7** = Group B explosion proof & NEMA 4X cast aluminum with KSR blue epoxy coating & dual 3/4" NPT conduit entries; **8** = Group B explosion proof stainless steel with dual 3/4" NPT conduit entry. **9** = Group B explosion proof cast aluminum with viewing window for LCD Indicator, dual 3/4" NPT conduit entries, KSR blue epoxy finish. LCD local indicator included.

Last, select the float that matches your process requirements. KSR Kuebler calibrates floats for interface service.



**1. RESOLUTION:** A = .196" (5mm); D = .39" (10mm); F = .59" (15mm); H = .78" (20mm). Operating temperature range for the HT18 is **-300 F to + 480F.**

**2. MATERIALS OF CONSTRUCTION** (Wetted Parts):  
**S**=316 Ti Stainless steel; **L**=316L Stainless Steel; **C**=Hastelloy C; **B**=Hastelloy B; **T**=Titanium.

**3. SENSOR LENGTH:** In whole inches, up to **240"**. (As measured from face of process connection to the tip of the float guide tube.) EXAMPLE: A 223" sensor would be entered as "223". When you determine the location of the lowest level possible (0%), add to the sensor length 1/2 of the float height plus 1/2" minimum. If you select an adjustable fitting as your process connection in #4 below, add an additional 2" to the total sensor length.

**4. CONNECTION SIZE AND TYPE:** **F10**=1.0" ANSI flange; **F15**=1.5" ANSI flange; **F20**=2.0" ANSI flange; **F25**=2.5" ANSI flange; **F30**=3.0" ANSI flange; **F40**=4.0" ANSI flange; **F50**=5.0" ANSI flange; **F60**=6.0" ANSI flange; **N75**=3/4" NPT; **N10**=1" NPT; **N15**=1-1/2" NPT; **N20**=2" NPT; **NAD**=3/4" NPT adjustable fitting.

**5. CONNECTION RATING\*:** **A**=150# ANSI; **B**=300# ANSI; **C**=600# ANSI; **D**=NPT 1,000 PSI.

**NOTE:**Total unit rating may be limited by the float you select, please see the KSR float guide.

**6. ELECTRONICS OPTIONS:** **0** = remote electronics, terminal block only; **1** = integral 4-20 mA loop powered with potted electronics; **3** = 24 VDC Loop Powered electronics with Integral LCD indicator with explosion proof and NEMA 4X enclosure, cast aluminum housing with KSR Blue Epoxy coating. Choice "3" requires selecting housing option "9" below. For option "0" above, you cannot select option "9" in field "7" below.

NOTE: 0-10VDC and 0-20mA output electronics are also available for these units. These are only available as remote mounted types so be sure to select option "0" above. Consult factory or refer to KSR bulletin 1011 for these electronic options.

**7. ELECTRICAL HOUSING:** **3** = Group B explosion proof stainless steel with viewing window for LCD Indicator, dual 3/4" NPT conduit entries, LCD local indicator included; **4** = NEMA 4X die cast aluminum w/ Kuebler Red powder coating & 1/2" NPT conduit entry; **7** = Group B explosion proof & NEMA 4X cast aluminum with KSR blue epoxy coating & dual 3/4" NPT conduit entries; **8** = Group B explosion proof stainless steel with dual 3/4" NPT conduit entry. **9** = Group B explosion proof cast aluminum with viewing window for LCD Indicator, dual 3/4" NPT conduit entries, KSR blue epoxy finish. LCD local indicator included.

Last, select the float that matches your process requirements.

KSR Kuebler calibrates floats for interface service.

MODEL SERIES "T" & "TD"  
 TECHNICAL SPECIFICATIONS

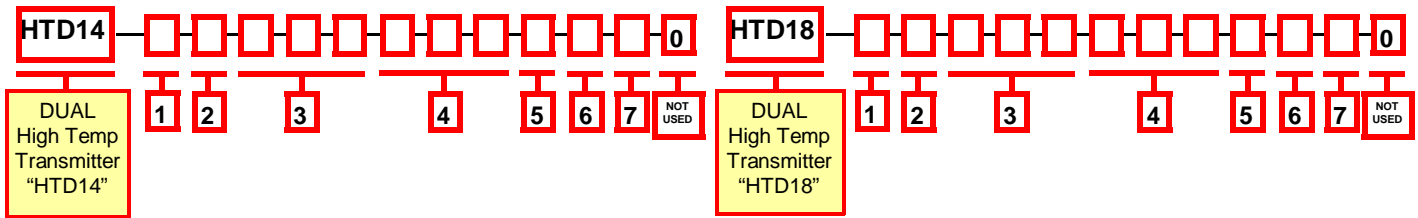
Product Specifications	HT12	HT14 / HTD14	HT18 / HTD18
Maximum Length	120" (3048 mm)	120" (3048 mm)	240" (6096 mm)
Maximum Resolution	.50" (12.7mm)	.25" (6.35mm)	.19" (5mm)
Maximum Non-Linearity	0.1% of Span	0.1% of Span	0.1% of Span
Required Power Supply (D.C. Volts)	11 to 36 Volts DC	11 to 36 Volts DC	11 to 36 Volts DC
Maximum Loop Resistance (load) @ VDC	1,000 Ohms @ 30 VDC 750 Ohms @ 24 VDC 400 Ohms @ 12 VDC	1,000 Ohms @ 30 VDC 750 Ohms @ 24 VDC 400 Ohms @ 12 VDC	1,000 Ohms @ 30 VDC 750 Ohms @ 24 VDC 400 Ohms @ 12 VDC
Maximum Process Pressure*	NPT=1,000 PSI ANSI Flanged =Flange Rating*	NPT=1,000 PSI ANSI Flanged =Flange Rating*	NPT=1,000 PSI ANSI Flanged =Flange Rating*
Max. & Min. Process Temperature*	-324°F to + 480°F (-198 C to + 250 C)	-324°F to + 480°F (-198 C to + 250 C)	-324°F to + 480°F (-198 C to + 250 C)
Max/Min. Electronics Ambient Temperature	-30°F to + 160°F (-20 C to + 71 C)	-30°F to + 160°F (-20 C to + 71 C)	-30°F to + 160°F (-20 C to + 71 C)
Sensor Tube Diameter	.47" (12 mm)	.55 (14 mm)	.708" (18 mm)
Sensor Tube Wall Thickness	.040" (1 mm)	.040" (1 mm)	.120" (3 mm)
Conduit Entry Size NEMA 4X	1/2" NPT	1/2" NPT	1/2" NPT
Conduit Entry Size NEMA 7	3/4" NPT (dual is standard)	3/4" NPT (dual is standard)	3/4" NPT (dual is standard)
Conduit Entry S/Steel NEMA 4X & Gr B	3/4" NPT (dual is standard)	3/4" NPT (dual is standard)	3/4" NPT (dual is standard)
Transmitter Hysteresis	<.5mm (.020") typical	<.5mm (.020") typical	<.5mm (.020") typical
Factory Mutual Hazardous Area Approvals	Explosion Proof Class 1, Division 1, Groups B, C, & D Intrinsically Safe** Class 1, Division 1, Groups A, B, C, & D	Explosion Proof Class 1, Division 1, Groups B, C, & D Intrinsically Safe** Class 1, Division 1, Groups A, B, C, & D	Explosion Proof Class 1, Division 1, Groups B, C, & D Intrinsically Safe** Class 1, Division 1, Groups A, B, C, & D



Factory Mutual Approved



TOLL FREE 1-888-577-5385



**1. RESOLUTION:** D = .39" (10mm); F = .59" (15mm); H = .78" (20mm). Operating temperature range for the HTD14 is **-300 F to +480F.**

**2. MATERIALS OF CONSTRUCTION (Wetted Parts):**  
**S**=316 Ti Stainless steel; **L**=316L Stainless Steel; **C**=Hastelloy C; **B**=Hastelloy B; **T**=Titanium.

**3. SENSOR LENGTH:** In whole inches, up to **120"**. (As measured from face of process connection to the tip of the float guide tube.) EXAMPLE: A 78" sensor would be entered as "078". When you determine the location of the lowest level possible (0%), add to the sensor length 1/2 of the float height plus 1/2" minimum. If you select an adjustable fitting as your process connection in #4 below, add an additional 2" to the total sensor length.

**4. CONNECTION SIZE AND TYPE:** **F10**=1.0" ANSI flange; **F15**=1.5" ANSI flange; **F20**=2.0" ANSI flange; **F25**=2.5" ANSI flange; **F30**=3.0" ANSI flange; **F40**=4.0" ANSI flange; **F50**=5.0" ANSI flange; **F60**=6.0" ANSI flange; **N75**=3/4" NPT; **N10**=1" NPT; **N15**=1-1/2" NPT; **N20**=2" NPT; **NAD**=3/4" NPT adjustable fitting.

**5. CONNECTION RATING\*:** **A**=150# ANSI; **B**=300# ANSI; **C**=600# ANSI; **D**=NPT 1,000 PSI.

**NOTE:**Total unit rating may be limited by the float you select, please see the KSR float guide.

**6. ELECTRONICS OPTIONS:** **0** = Remote electronics, (terminal block only); **1** = dual 4-20 mA outputs, loop powered with potted integral electronics. Remote electronic type units (selection "**0**") must be furnished with with a NEMA 7 (Gr B) housing for the remote electronics. Select housing option 7 or 8 in field "**7**" below.

**NOTE:** 0-10VDC and 0-20mA output electronics are also available for these units. These are only available as remote mounted types so be sure to select option "**0**" above. Consult factory or refer to KSR bulletin 1011 for these electronic options.

**7. ELECTRICAL HOUSING:** **7** = Group B explosion proof & NEMA 4X cast aluminum with KSR blue epoxy coating & dual 3/4" NPT conduit entries; **8** = Group B explosion proof & NEMA 4X stainless steel with dual 3/4" NPT conduit entry.

Last, select the float that matches your process requirements. KSR Kuebler calibrates floats for interface service to function with models "HTD" (dual output level transmitters). On the Application Data Sheet, please furnish both the upper and lower liquid specific gravity so KSR can calibrate your float for interface detection.

If a local display of level is required, KSR Kuebler offers a non-integral type loop powered LCD in an explosion proof enclosure. See KSR bulletin #1011 for this and other accessories.

**1. RESOLUTION:** A = .19" (5mm); D = .39" (10mm); F = .59" (15mm); H = .78" (20mm). Operating temperature range for the HTD48 is **-300 °F to +480 °F.**

**2. MATERIALS OF CONSTRUCTION (Wetted Parts):**  
**S**=316 Ti Stainless steel; **L**=316L Stainless Steel; **C**=Hastelloy C; **B**=Hastelloy B; **T**=Titanium.

**3. SENSOR LENGTH:** In whole inches, up to **240"**. (As measured from face of process connection to the tip of the float guide tube.) EXAMPLE: A 218" sensor would be entered as "218". When you determine the location of the lowest level possible (0%), add to the sensor length 1/2 of the float height plus 1/2" minimum. If you select an adjustable fitting as your process connection in #4 below, add an additional 2" to the total sensor length.

**4. CONNECTION SIZE AND TYPE:** **F10**=1.0" ANSI flange; **F15**=1.5" ANSI flange; **F20**=2.0" ANSI flange; **F25**=2.5" ANSI flange; **F30**=3.0" ANSI flange; **F40**=4.0" ANSI flange; **F50**=5.0" ANSI flange; **F60**=6.0" ANSI flange; **N75**=3/4" NPT; **N10**=1" NPT; **N15**=1-1/2" NPT; **N20**=2" NPT; **NAD**=3/4" NPT adjustable fitting.

**5. CONNECTION RATING\*:** **A**=150# ANSI; **B**=300# ANSI; **C**=600# ANSI; **D**=NPT 1,000 PSI.

**NOTE:**Total unit rating may be limited by the float you select, please see the KSR float guide.

**6. ELECTRONICS OPTIONS:** **0** = Remote electronics, (terminal block only); **1** = dual 4-20 mA outputs, loop powered with potted integral electronics. Remote electronic type units (selection "**0**") must be furnished with with a NEMA 7 (Gr B) housing for the remote electronics. Select housing option 7 or 8 in field "**7**" below.

**NOTE:** 0-10VDC and 0-20mA output electronics are also available for these units. These are only available as remote mounted types so be sure to select option "**0**" above. Consult factory or refer to KSR bulletin 1011 for these electronic options.

**7. ELECTRICAL HOUSING:** **7** = Group B explosion proof & NEMA 4X cast aluminum with KSR blue epoxy coating & dual 1/2" NPT conduit entries; **8** = Group B explosion proof & NEMA 4X stainless steel with dual 3/4" NPT conduit entry.

Last, select the float that matches your process requirements. KSR Kuebler calibrates floats for interface service to function with models "HTD" (dual output level transmitters). On the Application Data Sheet, please furnish both the upper and lower liquid specific gravity so KSR can calibrate your float for interface detection.

If a local display of level is required, KSR Kuebler offers a non-integral type loop powered LCD in an explosion proof enclosure. See KSR bulletin #1011 for this and other accessories.

DUAL OUTPUT TANK LEVEL GAUGES

Float Part #	Float Mat'l	Float Form	Float Dia.	Float Ht.	Inner Dia.	Float S.G.	Max. Press.	Max. Temp.
SVK-T	316Ti S/S	Cylinder	1.73" (44mm)	2.04" (52mm)	.59" (15mm)	.80 (.80g/cm3)	232PSI (16Bars)	482°F (250C)
SV-T	316Ti S/S	Ball	2.04" (52mm)	2.04" (52mm)	.59" (15mm)	.70 (.70g/cm3)	580PSI (40Bars)	482°F (250C)
SVA-T	316Ti S/S	Ball	2.44" (62mm)	2.36" (60mm)	.59" (15mm)	.60 (.60g/cm3)	464PSI (32Bars)	482°F (250C)
SVB-T	316Ti S/S	Ball	3.22" (82mm)	3.18" (81mm)	.59" (15mm)	.45 (.45g/cm3)	362.5PSI (25Bars)	482°F (250C)
SVB23-T	316Ti S/S	Ball	3.14" (80mm)	2.95" (75mm)	.90 (23mm)	.60 (.60g/cm3)	362.5PSI (25Bars)	482°F (250C)
SVC-T	316Ti S/S	Ball	3.85" (98mm)	3.77" (96mm)	.90 (23mm)	.60 (.60g/cm3)	362.5PSI (25Bars)	482°F (250C)
SVD-T	316Ti S/S	Ball	4.13" (105mm)	4.01" (102mm)	.90 (23mm)	.55 (.55g/cm3)	362.5PSI (25Bars)	482°F (250C)
SVF23-T	316Ti S/S	Ball	4.72" (120mm)	4.60" (117mm)	.90" (23mm)	.42 (.42g/cm3)	362.5PSI (25Bars)	482°F (250C)
SVF38-T	316Ti S/S	Ball	4.72" (120mm)	4.48" (114mm)	1.49" (38mm)	.60 (.60g/cm3)	362.5PSI (25Bars)	482°F (250C)
SV200-T	316Ti S/S	Ball	7.87" (200mm)	7.55" (192mm)	2.20" (56mm)	.55 (.55g/cm3)	232PSI (16Bars)	482°F (250C)
SV300-T	316Ti S/S	UFO	11.81" (300mm)	11.57" (294mm)	2.20" (56mm)	.40 (.40g/cm3)	232PSI (16Bars)	482°F (250C)

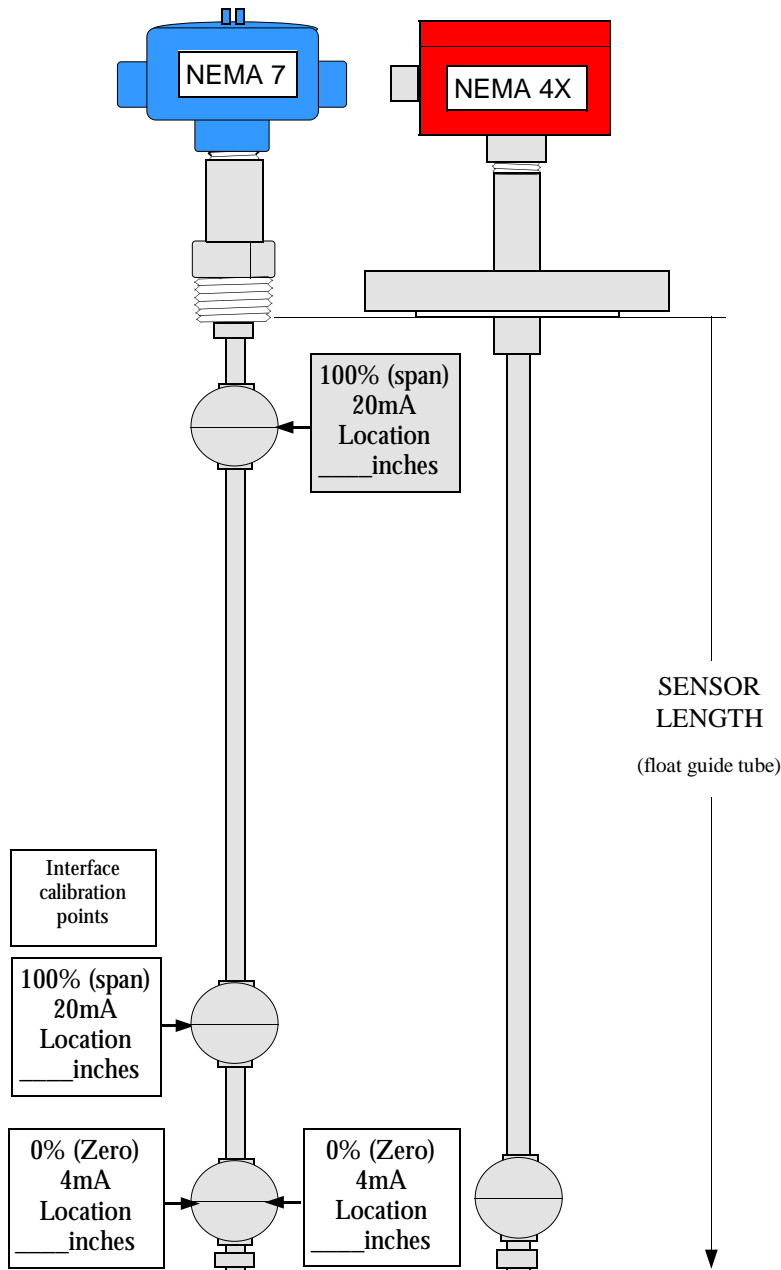
← STAINLESS STEEL FLOATS

SPECIAL ALLOY FLOATS  
HASTELLOY B & C  
& TITANIUM

Interface calibration is possible on any float listed above. Please furnish your upper and lower liquid density for proper calibration. Simply add an "I" at the end of the float part number for Interface applications.

Float Part #	Float Mat'l	Float Form	Float Dia.	Float Ht.	Inner Dia.	Float S.G.	Max. Press.	Max. Temp.
SHCK-T	Hastelloy C	Cylinder	1.73" (44mm)	2.05" (52mm)	.59" (15mm.)	.72 (0.72 g/cm3)	362.5 PSI (25 Bar)	482°F (250C)
SHBK-T	Hastelloy B	Cylinder	1.73" (44mm)	2.05" (52mm)	.59" (15mm.)	.72 (0.72 g/cm3)	362.5 PSI (25 Bar)	482°F (250C)
SHC-T	Hastelloy C	Ball	2.04" (52mm)	2.04" (52mm)	.59" (15mm)	.72 (0.72g/cm3)	580PSI (40Bars)	644°F (340C)
SHB-T	Hastelloy B	Ball	2.04" (52mm)	2.04" (52mm)	.59" (15mm)	.72 (0.72g/cm3)	580PSI (40Bars)	644°F (340C)
SHCB-T	Hastelloy C	Ball	3.22" (82mm)	3.14" (80mm)	.59" (15mm)	.55 (0.55g/cm2)	464PSI (32Bars)	600°F (315C)
SHBB-T	Hastelloy B	Ball	3.22" (82mm)	3.14" (80mm)	.59" (15mm)	.55 (0.55g/cm2)	464PSI (32Bars)	600°F (315C)
SHBB-23	Hastelloy B	Ball	3.22" (82mm)	3.14" (80mm)	.90" (23mm)	.55 (0.55g/cm2)	464PSI (32Bars)	600°F (315C)
SHCB-23-T	Hastelloy C	Ball	3.22" (82mm)	3.14" (80mm)	.90" (23mm)	.55 (0.55g/cm2)	464PSI (32Bars)	600°F (315C)
STK-T	Ti	Cylinder	1.73" (44mm)	2.04" (52mm)	.59" (15mm)	.70 (0.70 g/cm2)	362.5PSI (25Bars)	482°F (250C)
STI-T	Ti	Ball	2.04" (52mm)	2.04" (52mm)	.55" (14mm)	.65 (0.65g/cm2)	362.5PSI (25Bars)	482°F (250C)
STA-T	Ti	Ball	2.44" (62mm)	2.44" (62mm)	.55" (14mm)	.47 (0.47g/cm2)	362.5PSI (25Bars)	482°F (250C)
STE23-T	Ti	Ball	3.14" (80mm)	2.99" (76mm)	.90" (23mm)	.65 (0.65g/cm2)	362.5PSI (25Bars)	482°F (250C)
STD-T	Ti	Ball	4.18" (105mm)	4.01" (102mm)	.90" (23mm)	.65 (0.65g/cm2)	362.5PSI (25Bars)	482°F (250C)

Fill in this form and Fax it to 1-434-374-9522 for assistance in model selection.



Enter the desired zero & span location as measured from the face of the process connection. Determine the location of zero (0%), add to the sensor length 1/2 of the float height plus 1/2" minimum. For model HT48 and HTD48, add 1/2 of the float height plus 1" minimum. See KSR Float Guide for float details.  
**NOTE: Add sensor length per the order guide if you select an adjustable fitting.**

Customer Name \_\_\_\_\_  
Customer Ref.# \_\_\_\_\_  
KSR Model # \_\_\_\_\_

**Sensor Information**

Sensor Length \_\_\_\_\_  
Sensor Material \_\_\_\_\_  
Connection Type \_\_\_\_\_  
Connection Size \_\_\_\_\_  
Connection Rating \_\_\_\_\_  
Max. Pressure \_\_\_\_\_  
Max. Temp. \_\_\_\_\_  
Min. Temp. \_\_\_\_\_  
Liquid Name \_\_\_\_\_

**Electrical Information**

Output Type \_\_\_\_\_  
Housing Type: NEMA 7 \_\_\_\_\_ NEMA 4 \_\_\_\_\_  
Electrical Enclosure Material:  
Aluminum \_\_\_\_\_ Stainless Steel \_\_\_\_\_  
Conduit Entry: 1/2" \_\_\_\_\_ 3/4" \_\_\_\_\_  
Entry Quantity: 1 \_\_\_\_\_ 2 \_\_\_\_\_

**Float Information**

Float Material \_\_\_\_\_  
Product Float #1 part# \_\_\_\_\_  
Interface Float part# \_\_\_\_\_  
Upper Liq. S.G. \_\_\_\_\_  
Lower Liq. S.G. \_\_\_\_\_  
By \_\_\_\_\_  
Date \_\_\_\_\_