

Remote Mounted Sensors - Type 1340

The 1340 is easily installed, reduces vibration damage to the head and eliminates stocking several different lengths. This versatile design can be inserted into an existing well or for use in other general purpose applications where a well or protection tube is not required. The exact immersion depth is not required when inserting in a well. Simply bottom the sensor to the bottom of the well and tighten the optional compression fitting. The 1340 allows a reduction in store room lengths due to this flexibility.

The flexible armor leads allows remote mounting of the head in applications where there is a very tight fit. In high temperature thermocouple applications it is recommended that sensor connections are in a area that has ambient temperatures below 400 degrees F. The 1340 design allows the head to be mounted remotely an option that can greatly enhance the accuracy of the measurement.

To order: Indicate the code letter or value for each requirement.

Head Type	Sensor Type	Calibration	OD	Junction	Sheath Length	Sheath Material	Lead Length	Lead Wire	Options
	1340				(inches)		(inches)		

HEAD TYPE

- O No Head
- CA Cast Aluminum
- CI Cast Iron
- CSS Cast Stainless Steel
- LCA Large Cast Aluminum
- PP Polypropylene (black)
- PPS Polypropylene Sanitary
- FTA Flip Top Aluminum
- FTP Flip Top Poly (white)
- EPA Explosion Proof Aluminum
- EPS Explosion Proof Stainless Steel
- EHA Explosion Proof Aluminum
- EHI Explosion Proof Iron

Add X to the end of the order code of metallic heads, (i.e. EHAX) to add a corrosion resistant epoxy coating to meet NEMA 4X rating. For detailed description and ordering of heads see pages A-5 and A-6.

SENSOR

Sensor Calibration

- J Iron Constantan®
- K Chromel® Alumel®
- T Copper Constantan®
- E Chromel® Constantan®
- N Nicrosil® Nilil®
- PO Low Temp RTD to 500° F
- PH High Temp RTD to 900° F
- PM Heavy Duty RTD to 1100° F

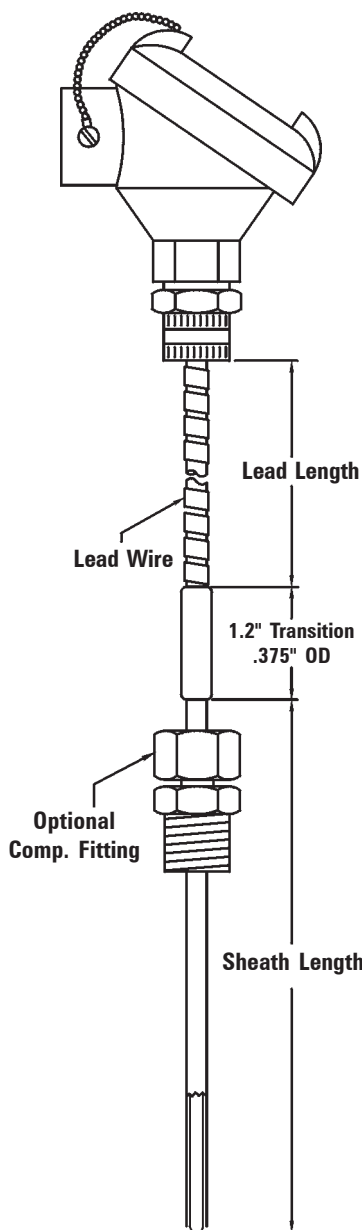
Standard RTD is a three-wire 100 ohm Platinum / .00385 Alpha. For special limits on thermocouples, repeat calibration code, i.e. JJ. For Smart Stuff sensors use S prefix in front of calibration code.

Sensor OD

- 18 1/8"
- 316 3/16"
- 14 1/4"
- 516 5/16"
- 38 3/8"

Sensor Junction

- G Grounded
- U Ungrounded
- E Exposed
- DG Dual Grounded
- DU Dual Ungrounded
- DE Dual Exposed
- S Single RTD
- D Dual RTD



Sensor Sheath Materials

- P 304SS
- R 316SS
- Q 310SS
- A Alloy 600

Standard Sheath Material is 316SS.

Lead Wire

- F Fiberglass
- T Teflon®
- P PVC
- PS PVC Shielded
- MF Multi Strand (flexible) Fiberglass
- MT Multi Strand (flexible) Teflon®

OPTIONS

Sensor Options

- A Armor (Stainless Steel)
- AP Armor with PVC Jacket
- CG12 Cond. Grip, 1/2" NPT
- SS18 Adj SS Comp Fitting 1/8" NPT*
- SS14 Adj SS Comp Fitting 1/4" NPT*
- SS12 Adj SS Comp Fitting 1/2" NPT*
- BR18 Adj Brass Comp Fitting 1/8" NPT*
- BR14 Adj Brass Comp Fitting 1/4" NPT*
- BR12 Adj Brass Comp Fitting 1/2" NPT*
- VH Vent hole for fittings. Insert following fitting part number.
- TA Tube on Armor, 1/4" OD x 2" long
- SA12 Spring Assembly with Hex Fitting, 1/2" NPT
- SB Stainless Steel Overbraid on Lead Wire
- HV High Vibration RTD (PM only)
- CR Cryogenic RTD (PM only)
- CT Compensated Terminals (EHA/EHI head only)
- WP Weld Pad
- TW Two Wire RTD
- FW Four Wire RTD
- GA Grade A RTD

*Add T after SS or BR for Teflon® Ferrule

Transmitter/Indicator Options

- LCR Fixed Range Type, RTD, FM
- LCS Programmable, Non FM
- PT Programmable FM
- HC Hart® Compatible
- Provide Range and Temp F/C
- TI Temperature Indicator (use with transmitter)

See pages A-33 – A36 for additional transmitter information.