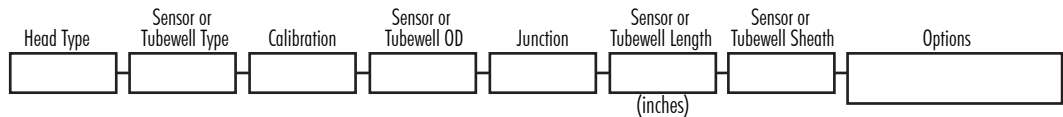


The thermocouple and RTD designs for these sensors are multi-purpose but all can be easily installed in a existing thermowell. All thermocouples are made with high purity mineral oxide insulation and a high temperature stainless steel sheath. RTD's are selected by determining the temperature range and vibration considerations. The 1440 has a sealed weld connection preventing hot gases from escaping and consequently can be used without a thermowell. The 1443 is designed specifically for use in a thermowell and comes with a spring assembly which insures positive contact to the bottom of the well and provides good response characteristics. The 1445 eliminates the need for an exact immersion length. The 1450 is a sealed weld connection and the 1455 is adjustable with compression fitting. Tube well assemblies come with 0.020" wall tube and a replaceable spring loaded sensor made to fit the tube I.D.

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

HEAD TYPE

- 0 No Head
- CA Cast Aluminum
- CI Cast Iron
- CSS Cast Stainless Steel
- PPS Polypropylene Sanitary
- FTA Flip Top Aluminum
- FTP Flip Top Poly (white)
- EPA Explosion Proof Aluminum
- EPAA Explosion Proof Aluminum Atex
- EPS Explosion Proof Stainless Steel
- EHA Explosion Proof Aluminum



SENSOR TYPE | TUBEWELL TYPE

- 1440 | 1450
- 1443 | 1455
- 1445

Sensor Calibration

- J Iron Constantan®
 - K Chromel® Alumel®
 - T Copper Constantan®
 - E Chromel® Constantan®
 - N Nicrosil® Nisil®
 - PO Low Temp RTD to 500° F
 - PH High Temp RTD to 900° F
 - PM Heavy Duty RTD to 900° F
- Standard RTD is a three-wire 100 ohm Platinum / .00385 Alpha. For higher temperature ranges - consult factory. For special limits on thermocouples, repeat calibration code, i.e. JJ.*

Sensor OD | Tubewell OD

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

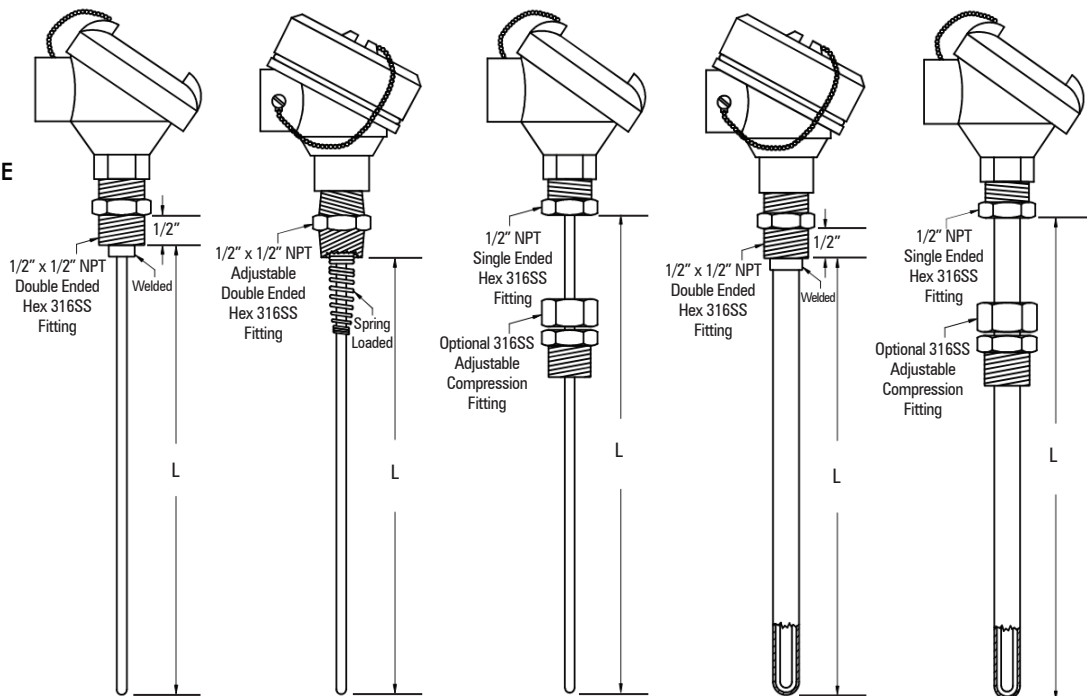
Sensor Junction

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

Sensor Sheath or Tubewell Materials

- P 304SS Q 310SS
 - R 316SS A Alloy 600
- Standard Sheath Material is 316SS.*

TYPE 1440 FIXED **TYPE 1443** SPRING **TYPE 1445** ADJUSTABLE **TYPE 1450** FIXED TUBE WELL **TYPE 1455** ADJUSTABLE TUBE WELL



OPTIONS

Sensor Options

- | | |
|--|---|
| BR18 Adj Brass Comp Fitting 1/8" NPT* | GA Class A |
| BR14 Adj Brass Comp Fitting 1/4" NPT* | HV High Vibration (PM RTDs only) |
| BR12 Adj Brass Comp Fitting 1/2" NPT* | SS18 Adj SS Comp Fitting 1/8" NPT* |
| CT Compensated Terminals (EHA/EHI head only) | SS14 Adj SS Comp Fitting 1/4" NPT* |
| FW Four Wire RTD | SS12 Adj SS Comp Fitting 1/2" NPT* |
| | TW Two Wire RTD |
| | VH Vent hole for fittings insert following fitting part no. |
- *Add T after SS or BR for Teflon® Ferrule*

Transmitter/Indicator Options

- LCP Programmable, RTD, FM
- PT Programmable FM
- HC Hart® Compatible
- Provide Range and Temp F/C
- See pages A-33 – A34 for additional transmitter information.
- LPI Loop Temperature Indicator
- See pages A-33 – A-34 for transmitter and other options.
- BPI Battery Powered Indicator