

Resistance Temperature Detectors



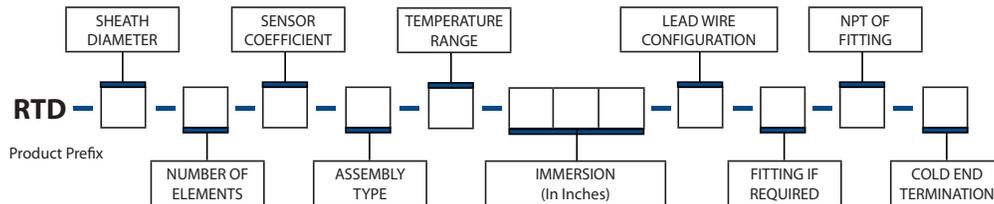
CLEVELAND ELECTRIC LABORATORIES
Thermocouples & Sensing Solutions since 1920



Resistance Temperature Detectors (RTD)

- Sensing elements in platinum, copper, nickel, nickel wire
- Custom RTDs-Consult Factory

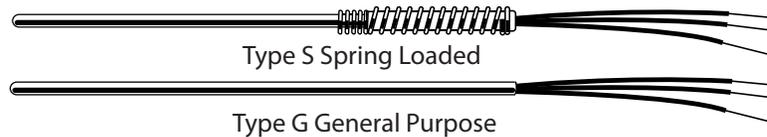
SHEATH DIAMETER (OD)	NUMBER OF ELEMENTS	SENSOR COEFFICIENT	ASSEMBLY TYPE	TEMPERATURE RANGE
1 - .125" 2 - .188" 3 - .250" 4 - .313" 5 - .375"	D - Dual S - Single	D - .00385 OHMS/OHM/Deg C A - .00392 OHMS/OHM/Deg C B - .00385 Degussa	G - General Purpose Stem Sensitive S - Spring Loaded Head X - Exposed Tip Dry Air/Gas	S - 350 to +500°F H - 320 to +1700°F
IMMERSION (In Inches)	LEAD WIRE CONFIGURATION	FITTING IF REQUIRED	NPT OF FITTING	COLD END TERMINATION
(In inches)	2 - 2 Wire 3 - 3 Wire 4 - 4 Wire 6 - 6 Dual 3 Wire 8 - 8 Dual 4 Wire	0 - None 1 - Hex Nipple 2 - Hex Bushing (Proc Connect) 3 - Hex Bushing (Head Connect) 4 - Adj Stainless 5 - Hex Nipple Oil Seal (Spring Loaded) 6 - Hex Nipple Spring Loaded 7 - Bayonet Spring Loaded 8 - With Spring Loaded Block 9 - 1/2" x 5" Galvanized Nipple	0 - None A - 1/8" B - 1/4" C - 1/2" D - 3/4" E - 1/4" x 1/2" F - 3/4" x 1/2" G - 1" x 1/2"	0 - 6" Leads w/Strip A - Std Cast Iron Head B - Std Cast Aluminum Head C - Explosion Proof Head D - Miniature Polypropylene E - Assy. w/Flex Armor Lead F - Assy. w/SS Overbraid Leads G - 3 Pin Plug H - Epoxy Coated Aluminum X - Special P - Std Polypropylene Head



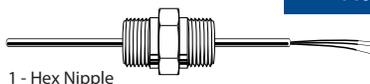
Example Ordering Number

RTD - 2 - S - A - S - H - 0 2 4 - 3 - 6 - C - 0

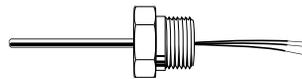
3/16" OD x 24" length 100 ohm Pt RTD sensor, .00392 ohms/ohm deg. C. Coefficient, 1/2" NPT hex spring loaded nipple, 6" leads.



Fittings



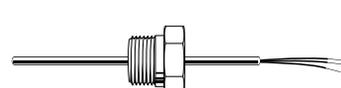
1 - Hex Nipple



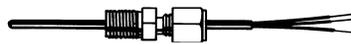
3 - Hex Bushing (Head Connection)



5 - Hex Nipple with Oil Seal (Spring Loaded)



2 - Hex Bushing (Process Connection)



4 - Adjustable Stainless



6 - Hex Nipple (Spring Loaded)



7 - Bayonet Spring Loaded