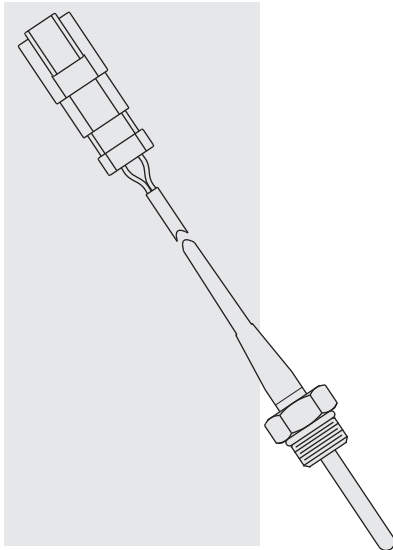


*Thermistor Temperature Sensor*

**Model ERT130**



**Resistance of Thermistor at Key Temperature Points**

Temp °C	Resistance (Ohms)
-40°	18555
-30°	10914
-20°	6637
-10°	4161
0°	2682
20°	1202
25°	1000
30°	832
40°	588
50°	423
60°	310
70°	231
80°	174.5
90°	133.6
100°	103.6
110°	81.2
120°	64.5
130°	51.8
135°	46.6

**DESCRIPTION**

A thermistor style heavy-duty analog temperature sensor intended for use as a steady state temperature sensor for demanding industrial and off-highway equipment.

**FEATURES**

- Thermistor technology for low cost and reliability.
- Rugged design for durability in harsh conditions.
- Pigtail with connector for installation in tight places.
- Stainless steel body.

**RATINGS**

**PERFORMANCE:**

- Sensing Temperature:** -40°C to 135°C (-40°F to 275°F)
- Output Signal:** 18555 to 46.6 ohms
- Accuracy:** ±2°C from 30° to 70°C
- Sense Current:** <10 mA at 25°C
- Response Time 10% to 90%:** <15 sec.
- Nominal Output at 25°C:** 1000 ohms

**INSTALLATION REQUIREMENTS:**

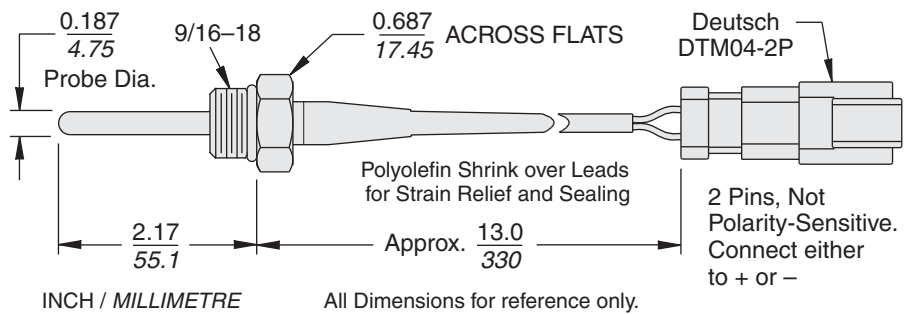
- Electrical Connection:** Pigtail with Deutsch DTM04-2P
- Mating Connector:** Deutsch DTM06-2S
- Port Size:** SAE #6
- Torque:** 43 to 53 Nm (32 to 39 ft.-lb.)

**ENVIRONMENTAL RATINGS:**

- Operating Pressure:** 10 bar (145 psi) maximum
- Vibration:** 20 grms (20 Hz to 20 KHz)
- Weather Rating:** IP67
- O-Ring Material:** Fluorocarbon
- Short Circuit Protection:** Short to +Batt may cause failure of the probe
- Error Handling:** Device measuring will sense open or short >100K ohms or <5 ohms

**STEINHART-HART CONSTANTS:** A = 0.001374666227599  
 B = 0.000276926035822  
 C = 0.000000201493010

**DIMENSIONS**



**TO ORDER**

- Temperature Sensor** Model: ERT130-R-LD-06 Part No. 4000665
- Mating Connector** Deutsch Model: DTM06-2S HF Part No. 4001970