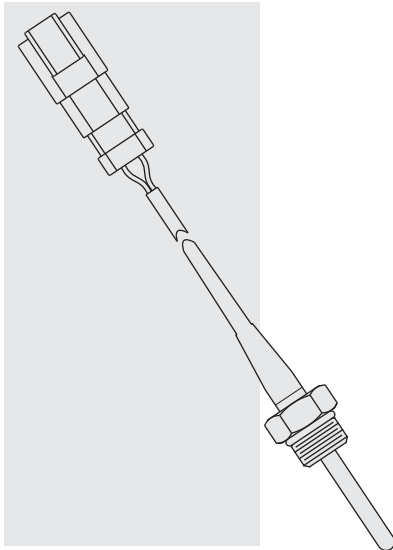


Thermistor Temperature Sensor

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:

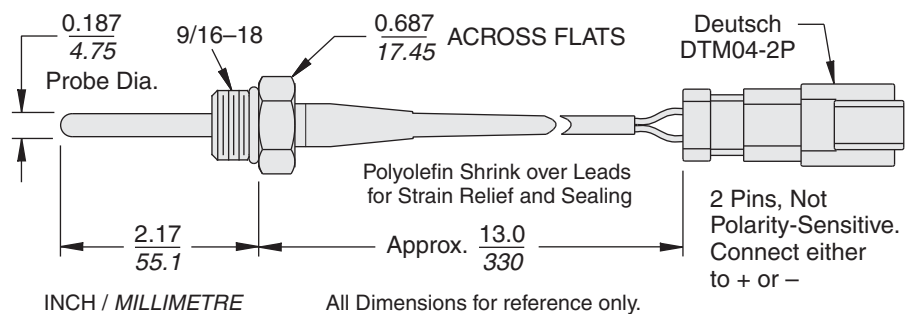
Electrical Connection: Pigtail with Deutsch DTM04-2P
Mating Connector: Deutsch DTM06-2S
Port Size: SAE #6
Torque: 43 to 53 Nm (32 to 39 ft.-lb.)

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