

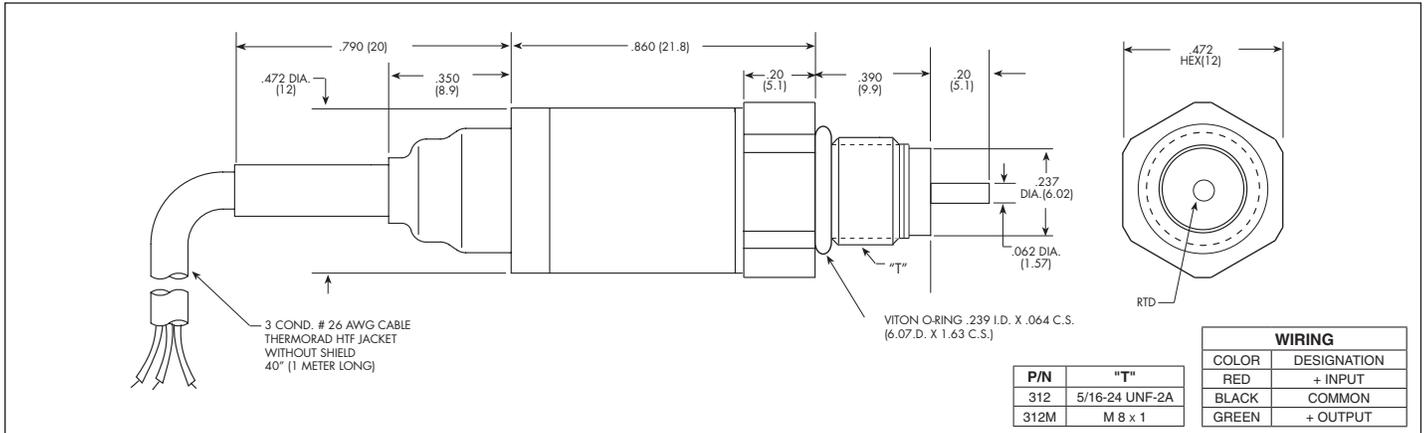


MINIATURE INTEGRATED TEMPERATURE SENSOR

ETS-312 (M) SERIES

- Robust Construction
- Voltage Output
- Excellent Long Term Stability
- Fast Response Time
- High Temperature
- Excellent For High Vibration and Thermal Shock
- Low Self Heating
- High Reliability

The ETS-312 utilizes a thin film platinum temperature sensor which provides a short response time as well as high accuracy and long-term stability over a wide temperature range.



SPECIFICATIONS	Media
Rated Electrical Excitation	Any Fluid Compatible With 15-5 and 316 Stainless Steel (All Media May Not Be Suitable With O-Ring Supplied)
Full Scale Output	12 ± 4 VDC or 28 ± 4 VDC
RTD	5V ± 3%
Residual Unbalance	Platinum Class A RTD Per DIN EN 60751 (IEC 751)
Output Type	500 mV ± 50 mV
Resolution	3 Wire Amplified Single Ended Output
Response Time	Infinitesimal
Insulation Resistance	2 Sec. (Typ.)
Operating Temperature Range	100 Megohm Min. @ 50 VDC
Compensated Temperature Range	-67°F to +400°F (-55°C to +200°C) (+365°F (185°C) Max. For The Transducer Body)
Linear Vibration	-40°F to +350°F (-40°C to +175°C)
Mechanical Shock	10-2,000 Hz Sine, 100g (Max.)
Electrical Connection	20g half Sine Wave 11 msec. Duration
Weight	3 Conductor 26 AWG Thermorad HTF Jacket Without Shield 40" (1 Meter Long)
Mounting Torque	30 Grams (Nom.) Excluding Cable
	50 Inch-Pounds (Max.) 6Nm

Note: Custom pressure ranges, accuracies, mechanical configurations and RTD resistance available. Dimensions are in inches. Dimensions in parenthesis are in millimeters. All dimensions nominal. (E) Continuous development and refinement of our products may result in specification changes without notice. Copyright © 2014 Kulite Semiconductor Products, Inc. All Rights Reserved. Kulite miniature pressure transducers are intended for use in test and research and development programs and are not necessarily designed to be used in production applications. For products designed to be used in production programs, please consult the factory.