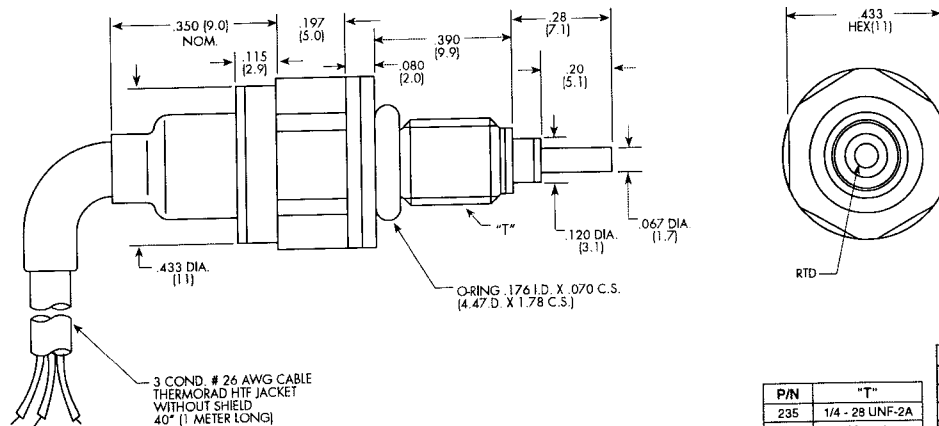
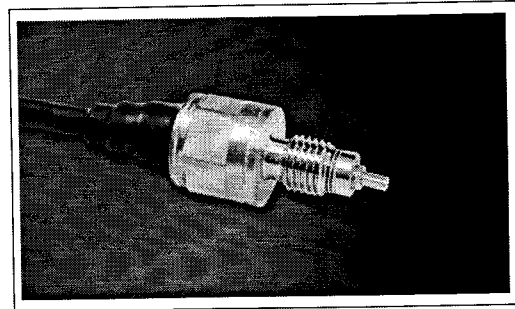


# **kulite** TEMPERATURE SENSOR

## TTS-235(M) SERIES

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

The TTS-235 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.



| P/N  | "T"             | WIRING |             |
|------|-----------------|--------|-------------|
|      |                 | COLOR  | DESIGNATION |
| 235  | 1/4 - 28 UNF-2A | RED    | TEMP        |
| 235M | M 6 x 1         | BLACK  | TEMP        |
|      |                 | GREEN  | SPARE       |

| SPECIFICATIONS                           |                                                                          |
|------------------------------------------|--------------------------------------------------------------------------|
| Temperature Range                        | -150°F to +400°F (-100°C to +200°C)                                      |
| Media                                    | Any Fluid Compatible With 15-5 and 316 Stainless Steel                   |
| Sensing Principle                        | Platinum Class A RTD Per DIN EN 60751 (IEC 751)                          |
| Nominal Resistance at 0°C                | TTS-A-235(M) 100 Ohms<br>TTS-B-235(M) 500 Ohms<br>TTS-C-235(M) 1000 Ohms |
| Excitation                               | 1mA (2mA Max.)                                                           |
| Accuracy                                 | ± 1°C (Typ.)                                                             |
| Response Time                            | 2 Sec. (Typ.)                                                            |
| Steady Acceleration and Linear Vibration | 100g Peak, Sine up to 5000 Hz                                            |
| Humidity                                 | 100% Relative Humidity                                                   |
| Electrical Connection                    | #26 AWG, 3 Conductor Cable, 40" (1 Meter) Long                           |
| Weight                                   | 20 Grams (Nom.) Excluding Cable                                          |

Dimensions are in inches. Dimensions in parenthesis are in millimeters.

Continuous development and refinement of our products may result in specification changes without notice - all dimensions nominal. (B)

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