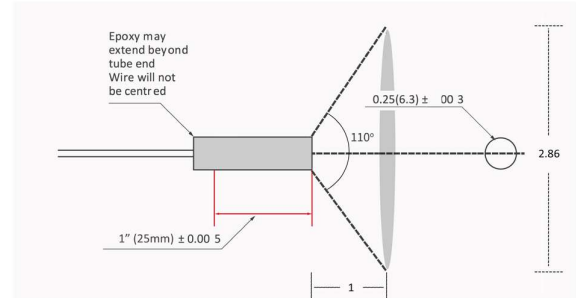


## MICRO IRT/C

### Product Overview

The Micro IRT/c features:

- Infrared Thermocouple IRT/c
- Non-contact
- Self-powered
- Intrinsically Safe
- Repeatability 0.02°F (0.01°C)
- Interchangeability ±1%
- Resolution approx. 0.0003°C
- Small Size



### Technical Data

|                           |   |
|---------------------------|---|
| Sensing Range             | 0 to 975°F (-18 to 524°C)   |
| Ambient Temperature Range | -29 to 185°F (-20 to 85°C) permanent<br>-29 to 212°F (-20 to 100°C) non permanent.<br>Air Purge jacket available for cooling to 347°F (175°C) |
| Optimum Range Selections  | Eight models per t/c type (see Temperature Selection Chart)   |
| Field of View             | approximately 1:2 (110°)  |
| Minimum Spot Size         | .1" (3mm)   |
| Spectral Response         | 5.5 to 20µm   |
| Output Impedance          | 17-45 Kohms   |
| Response Time             | 50 Milliseconds   |

|                            |   |
|----------------------------|---|
| Dimensions                 | 0.25" (6.3mm) Dia. x 1.0" (25.4mm)  |
| Housing                    | Stainless Steel, Hermetically sealed, exceeds NEMA 4X, IP67   |
| Cable                      | 3 feet of unshielded, duplex insulated, type K, 24 AWG, PFA jacket rated to 500°F (260°C) (Shielded cable available upon request)                               |
| Weight                     | Approximately 1oz. (30 grams) with cable  |
| Input Device Compatibility | It is recommended to use input devices with less than 1 nA of leakage current to minimize offsets, and sensor break detection should be set to 45 Kohm maximum. |

### Calibration

Ordering information **Micro IRT/c-K-** (Pre-calibrated Temperature Range).

Temperature Selection Chart

