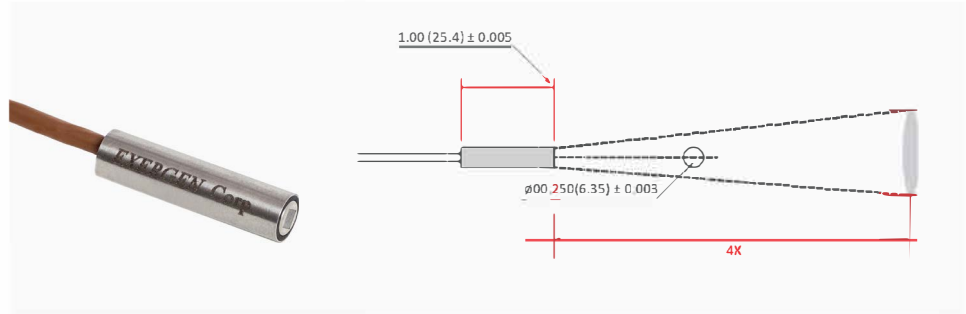


Micro IRt/c.4 Base Model

Product Overview

The Micro IRt/c.4 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	-45 °C to 625 °C (2% linear to match a K t/c from 212 –240 °C)
Ambiant Temp Range	-20 °C to 100 °C (air purge jacket available for cooling to 175 °C)
Field of View of Sensing Element	approximately 4:1 (14°C)
Minimum Spost Size	3mm (.1")
Dominant Spectral Response	3 to 20 μm
Output Sensor	K type thermocouple from 414 - 464 °F (212 - 240 °C), mV output tables available and recommendations for programmable devices.
Impendance	~40 Kohms

Emissivity (e)	.90
Time Constant	60 Milleseconds
Accuracy (Interchangeability)	1% to factory calibration conditions
Dimensions	See Above
Housing	Stainless Steel 303
Cable Assembly	3 feet (0.9 meters) of unshielded, duplex insulated, type K, 24 AWG, PFA jacket, rated to 500 oF (260 oC) (Shielded cable also available)
Sealed	Hemetically sealed, exceeds NEMA 4X, IP67
Weight	~30 grams (1oz.)

Calibration

Ordering information **Micro IRt/c.4 -K-** (Thermocouple Type) - (Pre-Calibrated Temperature Range).

