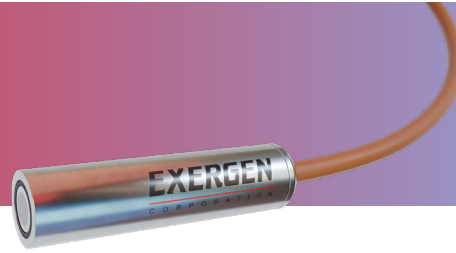


Datasheet

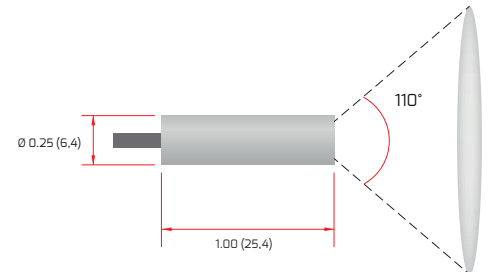
Micro IRt/c



Product Overview

The Micro IRt/c features:

- Infrared Thermocouple IRt/c
- Non-contact
- Self-powered
- Intrinsically Safe
- Repeatability 0,01°C (0.02°F)
- Interchangeability ±1%
- Resolution approx. 0,0003°C (0.0006°F)
- Small Size



Technical Data

Sensing Range	-18 to 524°C (0 to 975°F)
Ambient Temperature Range	-20 to 85°C (-29 to 185°F) permanent -20 to 100°C (-29 to 212°F) non permanent. Air Purge jacket available for cooling to 175°C (347°F)
Optimum Range Selections	Eight models per t/c type (see Temperature Selection Chart)
Field of View	approximately 110° (1:2)
Minimum Spot Size	3 mm (1")
Spectral Response	5,5 to 20µm
Output Impedance	17-45 Kohms

Response Time	50 Milliseconds
Dimensions	6,3 mm (0.25") Dia. x 25,4 mm (1.0")
Housing	Stainless Steel, Hermetically sealed, exceeds NEMA 4X, IP67
Cable	0,9 m (3 ft) of unshielded, duplex insulated, type K, 24 AWG, PFA jacket rated to 260°C (500°F) (Shielded cable available upon request)
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 40 Kohm maximum.
Weight	Approximately 30g (1oz.) with cable

Calibration

Ordering information **Micro IRt/c-K-** Precalibrated Temperature Range.

Temperature Selection Chart

