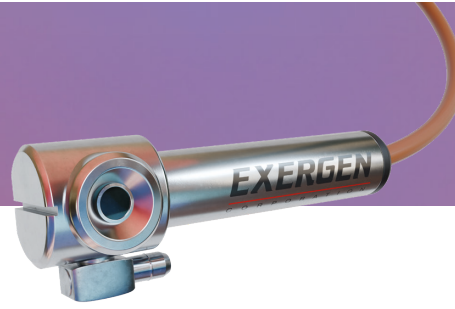


Datasheet

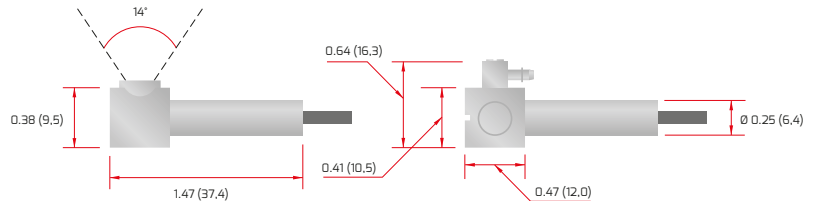
Micro IRt/c.4SV



Product Overview

The Micro IRt/c.4SV 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	-45 to 625°C (-49 to 1157°F)
Ambient Temperature Range	-20 to 100°C (-4 to 212°F) with air off -20 to 120°C (-4 to 248°F) with air on
Optimum Range Selections	One model: 2% linear to match a Kt/c from 212-240°C (see Temperature Selection Chart). For other temperature ranges please contact Exergen Global
Field of View	approximately 4:1 (14°)
Minimum Spot Size	3 mm (.1")
Spectral Response	5,5 to 20µm
Output Impedance	40 Kohms

Response Time	60 Milliseconds
Dimensions	See diagram above
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)
Air Purge	Built-in; designed for severe paint or ink environment
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 60g (2oz.) with cable

Calibration

Ordering information Micro IRt/c.4SV-K-440F/220C

Temperature Selection Chart

