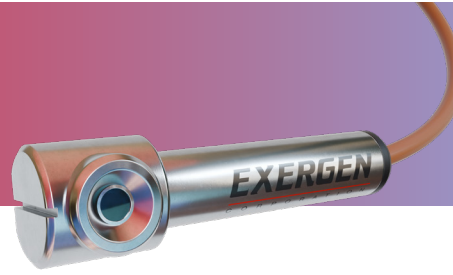


Datasheet

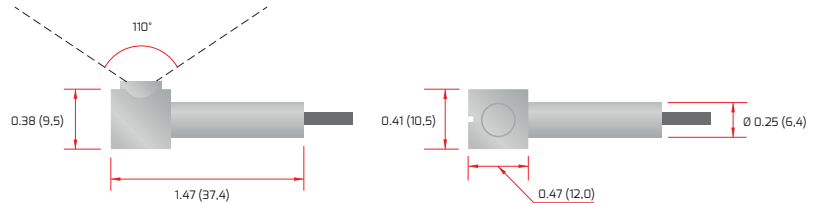
Micro IRt/c.SV



Product Overview

The Micro IRt/c.SV 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
Optimum Range Selections	Eight models per t/c type (see Temperature selection Chart)
Field of View	approximately 1:2 (110°)
Minimum Spot Size	3 mm (.1")
Spectral Response	5,5 to 20µm
Output Impedance	17-45 Kohms

Response Time	50 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)
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.
Weight	Approximately 30g (1oz.) with cable

Calibration

Ordering information Micro IRt/c.SV-K- (Precalibrated Temperature Range).

Temperature Selection Chart

