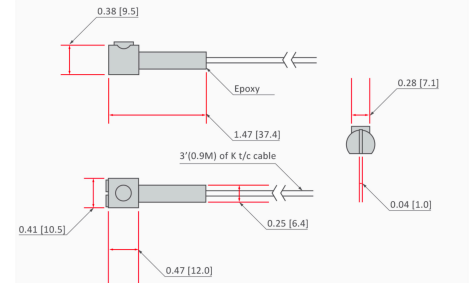


## MICRO IRt/C.SV

### 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

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

<b>Response Time</b>	50 Milliseconds
<b>Dimensions</b>	See diagram above
<b>Housing</b>	Stainless Steel, Hermetically sealed, exceeds NEMA 4X, IP67
<b>Cable</b>	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)
<b>Input Device Compatibility</b>	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.
<b>Weight</b>	Approximately 30g (1oz.) with cable

### Calibration

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

Temperature Selection Chart

