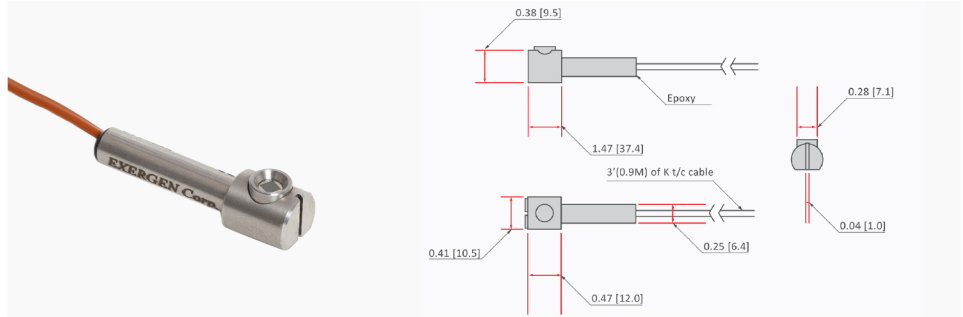


Micro IRt/c.SV Base Model

Product Overview

The Micro IRt/c.SV 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



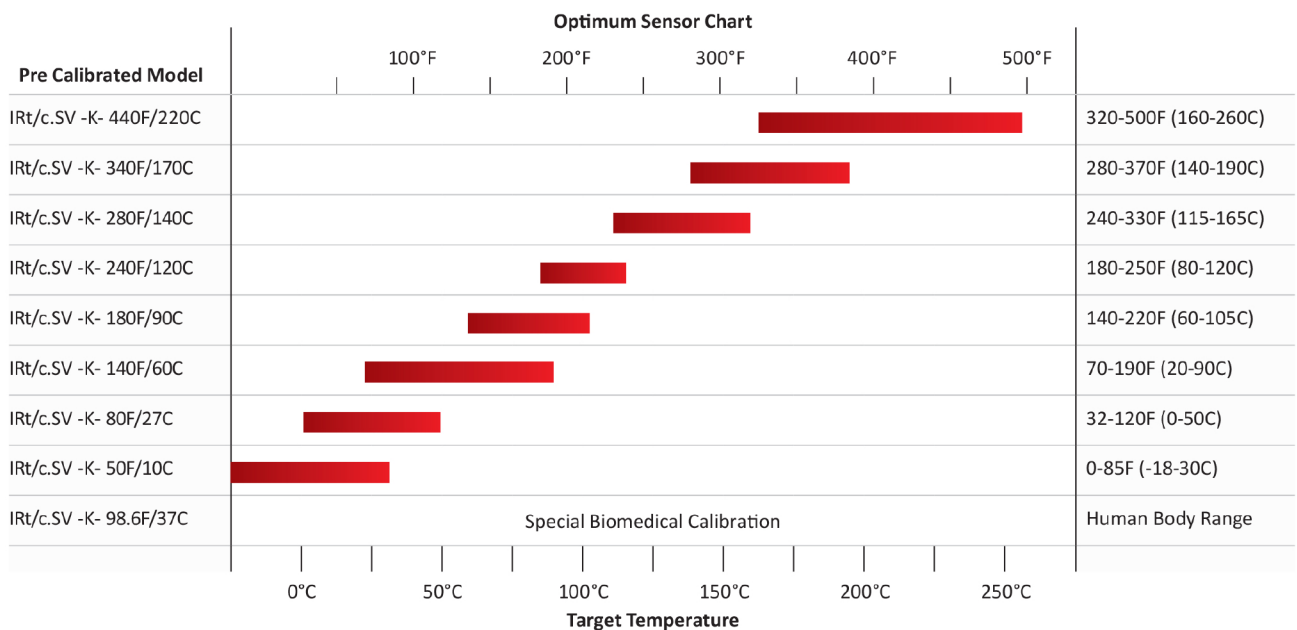
Technical Data

Sensing Range	-50 to 975°F (-45 to 524°C)
Ambient Temp Range	-4 to 212°F (-20 to 100°C)
Field of View of Sensing Element	approximately 1:2 (100°)
Minimum Spot size	3 mm (.1")
Dominant Spectral Response	5.5 to 20 μm
Output Sensor	K type thermocouple at temperatures close to calibration point, see Selection Table, (mV output tables available with recommendations for programmable devices)
Impedance	~ 15-40 kohms, depends on model selected
Emissivity (e)	.90

Time Constant	50 milliseconds
Accuracy (Interchangeability)	1% to factory calibration conditions
Dimensions	See diagrams 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)
Environmental Ratings	Hermetically sealed, exceeds NEMA 4, 4X, IP67
Weight	2 oz (60 g)

Calibration

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



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