

Infrared Temperature Sensors

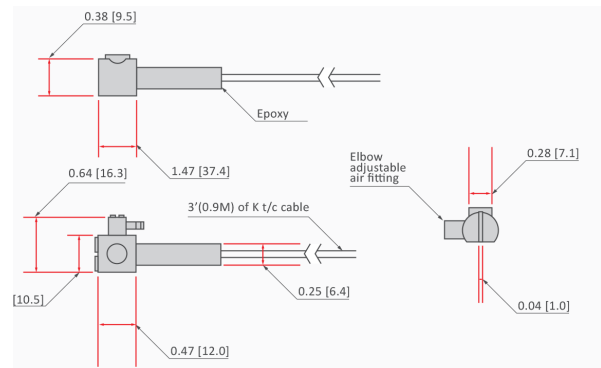
DATASHEET

MICRO IRT/C.4SV

Product Overview

The Micro IRT/c.4SV features:

- Infrared Thermocouple IRT/c
- Non-contact
- Self-powered
- Intrinsically Safe
- Repeatability 0.02°F (0.01°C)
- Interchangeability ±1%
- Resolution approx. 0.0003°C
- Small Size



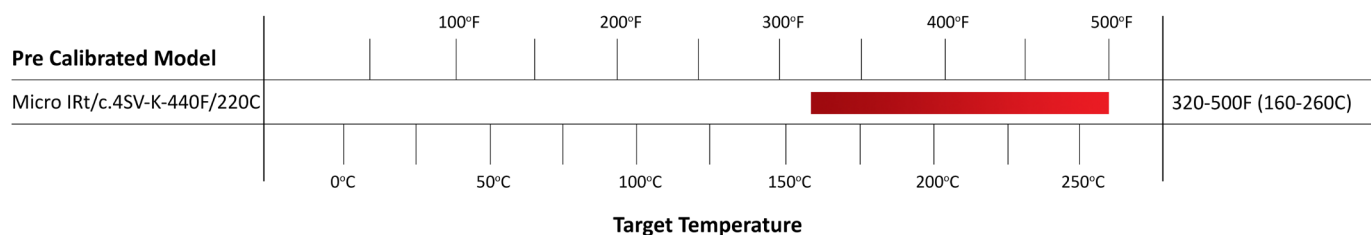
Technical Data

Sensing Range	-49 to 1157°F (-45 to 625°C)	Response Time	60 Milleseconds
Ambient Temperature Range	-4 to 212°F (-20 to 100°C) with air off, -4 to 248°F (-20 to 120°C) with air on	Dimensions	See diagram above
Optimum Range Selection	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	Housing	Stainless Steel, Hermetically sealed, exceeds NEMA 4X, IP67
Field of View	approximately 4:1 (14°)	Cable	3 feet of unshielded, duplex insulated, type K, 24 AWG, PFA jacket rated to 500°F (260°C) (Shielded cable available upon request)
Minimum Spot Size	.1" (3mm)	Weight	Approximately 2oz. (60 grams) with cable
Spectral Response	5.5 to 20μm	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.
Output Impedance	40 Kohms		

Calibration

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

Temperature Selection Chart



For other temperature ranges please contact Exergen Global

Specifications subject to change without notice