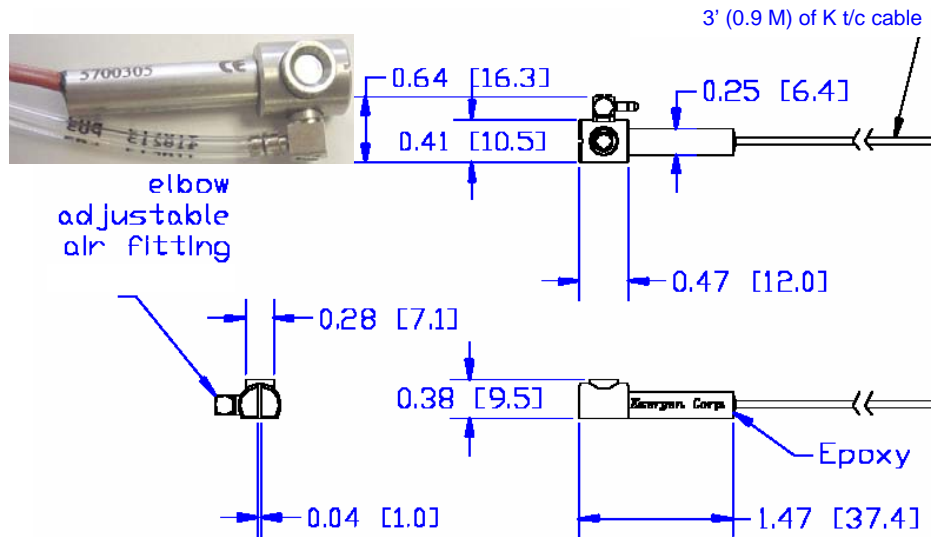




Introducing the **NEW:**
 micro IRT/c.4sv-K-440F/220C™
 The World's Smallest 4:1 Field of View, Side View,
 Air Purged, Infrared Temperature Sensor

Features

- Side view mount
- Self powered
- Small size
- Mounting rings
- Built in Air purge
- 4:1 field of view
- High temperature range with signal output tables available



Specifications

Sensing Range	-45 °C to 625 °C (2% linear to match a K t/c from 212 -240 °C)
Ambient Temperature Range	-20 °C to 100 °C (with air off), -20 °C to 120 °C (with air on).
Storage Temperature Range	-20 °C to 100 °C
Field of View of Sensing Element	approximately 4:1 (14°)*
Minimum Spot size	3 mm (.1")
Dominant Spectral Response	3 to 20 μm
Output Sensor	K type thermocouple from 414 - 464 °F (212 - 240 °C), mV output tables available and recommendations for programmable devices.
Impedance	~ 40 kohms
Emissivity (e)	.90
Measurement Type	Thermopile
Resolution	Approximately 0.0003°C, Johnson Noise
Update Time	Instantaneous
Time Constant	60 milliseconds
Accuracy (Interchangeability)	1% to factory calibration conditions
Dimensions	See 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 °F (260 °C) (Shielded cable also available)
Humidity	Non-Condensing
Power Requirements	None
Environmental Ratings	Hermetically sealed, exceeds NEMA 4, 4X, IP67
Weight	~ 60 grams (2 oz.)

51 Water St.—Watertown, MA 02472—617.923.9900—(F) 617.923.9911—www.exergen.com

* Contact Industrial Sales for detailed field of view specs