



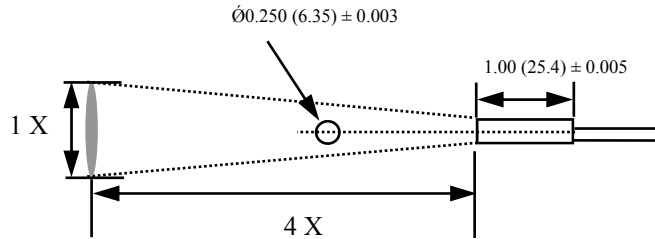
Introducing the **NEW:**  
 micro IRt/c.4-K-440F/220C™  
 The World's Smallest 4:1 Field of View Infrared  
 Temperature Sensor

**Features**

- Self powered
- Small size
- Low cost
- Mounting rings
- Air purge available
- 4:1 field of view
- Measure higher temperature ranges
- Repeatable signal
- High interchangeability
- Highly Reliable



micro IRt/c.4



**Specifications**

<b>Sensing Range</b>	-45 °C to 625 °C (2% linear to match a K t/c from 212 -240 °C)
<b>Ambient Temperature Range</b>	-20 °C to 100 °C (air purge jacket available for cooling to 175 °C)
<b>Storage Temperature Range</b>	-20 °C to 100 °C
<b>Field of View of Sensing Element</b>	approximately 4:1 (14°)*
<b>Minimum Spot size</b>	3 mm (.1")
<b>Dominant Spectral Response</b>	3 to 20 μm
<b>Output Sensor</b>	K type thermocouple from 414 - 464 °F (212 - 240 °C), mV output tables available and recommendations for programmable devices.
<b>Impedance</b>	~ 40 kohms
<b>Emissivity (e)</b>	.90
<b>Measurement Type</b>	Thermopile
<b>Resolution</b>	Approximately 0.0003°C, Johnson Noise
<b>Update Time</b>	Instantaneous
<b>Time Constant</b>	60 milliseconds
<b>Accuracy (Interchangeability)</b>	1% to factory calibration conditions
<b>Dimensions</b>	See above
<b>Housing</b>	Stainless Steel 303
<b>Cable Assembly</b>	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)
<b>Humidity</b>	Non-Condensing
<b>Power Requirements</b>	None
<b>Environmental Ratings</b>	Hermetically sealed, exceeds NEMA 4, 4X, IP67
<b>Weight</b>	~ 30 grams (1 oz.)

Heaters Controls And Sensors 1 800 279-9912 www.hcs77.com

\* contact Industrial Sales for detailed field of view specs