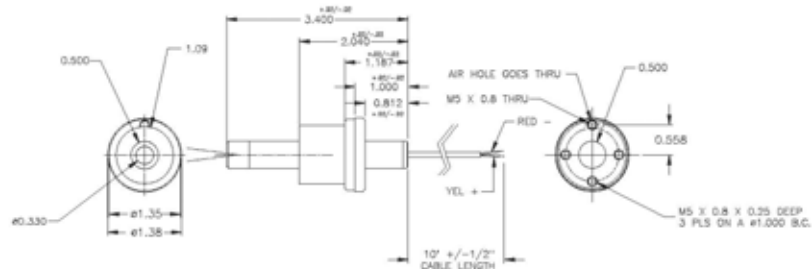




## EXTREME IRt/c

Withstands extreme ambient temperature changes and holds true accuracy



### Features

- Withstands extreme ambient temperature changes
- Maintains accuracy with thermal shock
- High pressure and vacuum compatible
- Drift free
- Rugged housing
- Self powered
- Reliable
- K type thermocouple output
- Fast response time

### Specifications

<b>Sensing Range</b>	-50 to 1200 °F (-45 to 650 °C)
<b>Ambient Temperature Range</b>	-50 to 212 °F (-45 to 100 °C)
<b>Storage Temperature Range</b>	-50 to 212 °F (-45 °C to 100 °C)
<b>Field of View of Sensing Element</b>	approximately 3:1 (17°)
<b>Minimum Spot size</b>	6 mm (.25")
<b>Dominant Spectral Response</b>	6.5 to 14 μm
<b>Output Sensor</b>	K type thermocouple
<b>Impedance</b>	4-8 Kohms
<b>Emissivity (e)</b>	.90
<b>Measurement Type</b>	Thermopile
<b>Resolution</b>	Approximately 0.00018°C, Johnson Noise
<b>Update Time</b>	Instantaneous
<b>Response Time (95% of step change)</b>	100 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>	10 feet of twisted shielded pair of base thermocouple material, teflon sheathed, type K, 24 AWG, rated to 392°F (200 °C)
<b>Humidity</b>	Non-Condensing
<b>Power Requirements</b>	None
<b>Environmental</b>	Hermetically sealed, exceeds NEMA 4X, IP67, Intrinsically Safe, CE and RoHS rated