

# ***SPECTRE CORPORATION***

7912 ROOT ROAD, SUITE C/D  
NORTH RIDGEVILLE, OH 44039

SALES PH: 440.250.0580/0616

FAX: 440.353.0269

EMAIL: [INFO@SPECTRESENSORS.COM](mailto:INFO@SPECTRESENSORS.COM)

## **MODEL 7500 TEMPERATURE PROBE**

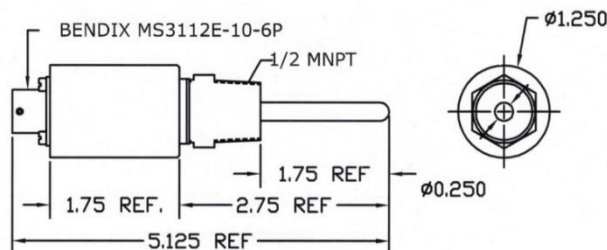
- ALL STAINLESS STEEL CONSTRUCTION
- LOW PROFILE TEMPERATURE PROBE
- OUTPUT: 4-20 mADC, 1-5 VDC
- STANDARD RANGE: 0 – 200 °C
- CUSTOM DESIGNS AVAILABLE <sup>1</sup>



<p><b><u>PERFORMANCE @ 25°C (77°F)</u></b>                  ACCURACY: &lt;math&gt;\pm 0.3^\circ\text{C}&lt;/math&gt; OF READING                  STABILITY (2 YEAR) &lt;math&gt;\pm 0.05\% \text{ FS}&lt;/math&gt;, TYPICAL                  RESPONSE: &lt;math&gt;\leq 5 \text{ ms}&lt;/math&gt; TO 90%</p> <p><b><u>ENVIRONMENTAL DATA</u></b>                  STORAGE TEMP: <math>-50^\circ\text{C}</math> TO <math>+125^\circ\text{C}</math>                  COMPENSATED RANGE: <math>1^\circ\text{C}</math> TO <math>38^\circ\text{C}</math>                  ZERO: &lt;math&gt;\leq \pm 0.50\% \text{ FS}&lt;/math&gt;                  SPAN: &lt;math&gt;\leq \pm 0.50\% \text{ FS}&lt;/math&gt;                  OPTIONAL ZERO &amp; SPAN ADJUSTMENT AVAILABLE</p>	<p><b><u>ELECTRICAL DATA EXCITATION:</u></b>                  9-36 VDC (4-20 mADC, 1 – 5 VDC)</p> <p>CURRENT CONSUMPTION: &lt;math&gt;&lt; 5\text{mA}&lt;/math&gt;                  OUTPUT LOAD: &gt;10K <math>\Omega</math></p> <p><b><u>PHYSICAL DATA:</u></b>                  SENSOR WETTED MATERIAL: 316 SS                  BODY MATERIAL: 316 SS</p>
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### **ORDERING GUIDE: 7500-C-(0-200C)-1.75"-D-EC4**

C	(0-200)	1.75	D	EC1
PORT	RANGE <sup>2</sup>	INSERTION LENGTH <sup>3</sup>	PRESSURE OUTPUT	CONNECTOR
C = 1/2" MNPT	°C / °F	IN/mm	D = 4-20 mA	EC1 = 36" PIGTAIL <sup>2</sup>
			E = 1 – 5 VDC	EC2 = LARGE DIN 43650, FORM A
				EC3 = MINI DIN 43650, FORM C
				EC4 = BENDIX PTIH-10-6P
				ECX = OTHER



<sup>1</sup> CONTACT FACTORY

<sup>2</sup> SPECIFY TEMPERATURE RANGE IN °C OR °F

<sup>3</sup> SPECIFY LENGTH OF PROBE IN INCHES OR MILLIMETERS