

# CS20 Industrial Temperature Transmitter



## FEATURES

- Configurable temperature ranges from -40 to 200°C
- 4-20mA or 1-5V output signal - No need for external amplification!
- 316L SS probe and process connection

## COMMON APPLICATIONS

- Hydraulic oil
- Gas flow temperature
- Water and chemical storage



## SPECIFICATIONS

### Performance @ 25°C

<b>Sensor Type</b>	RTD PT100, Class B
<b>Total Error at RT</b>	≤ ± 1%
<b>Total Error at FS</b>	≤ ± 2%
<b>Max Pressure</b>	5,000 PSI

### Thermal

<b>Operating Temperature</b>	-40 to +85°C
<b>Media Temperature*</b>	-40 to +200°
<b>Storage Temperature</b>	-40 to +125°C

\* Media temperature is user selected at the time of ordering. Not all transmitters are scaled to measure -40 to +200°C. Refer to the "Model Number Configuration" on page 2 for available ranges.

### Environmental

<b>EMI/RFI Protection</b>	Yes
<b>IP Rating*</b>	IP65 minimum

\* IP rating is dependent on electrical termination selected. Contact factory for more information.  
\* IP rating applies when electrical connector is attached with the appropriate ingress protection.

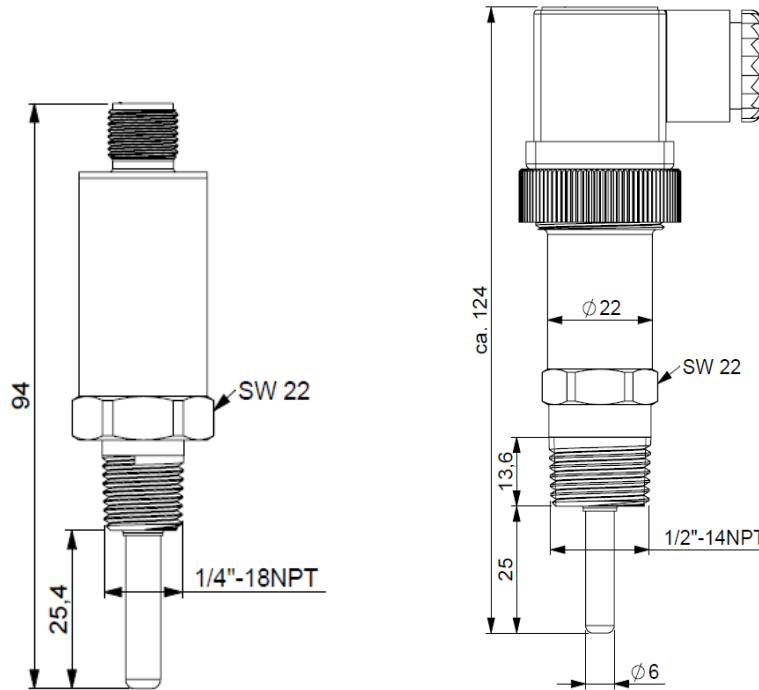
### Electrical

	4-20mA	1-5V
<b>Excitation</b>	10-28VDC	10-28VDC
<b>Current Consumption</b>	20mA, typical	<10mA
<b>Output Load</b>	0-800 Ohms @ 10-28VDC	5K Ohms, min
<b>Frequency Response (min)</b>	~250Hz	~1kHz
<b>Zero Offset (of FS)</b>	≤ ± 0.5% typical ± 1% max	≤ ± 0.5% typical ± 1% max
<b>Span Tolerance (of FS)</b>	≤ ± 0.5% typical ± 1% max	≤ ± 0.5% typical ± 1% max

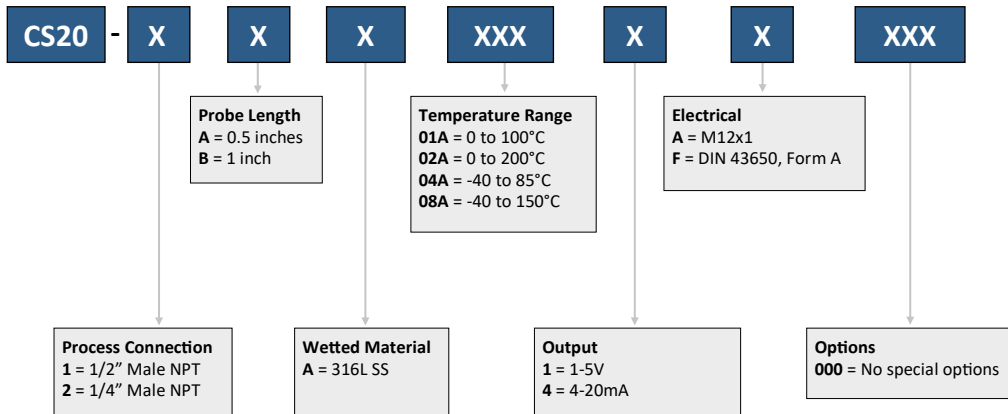
For wiring information, visit [core-sensors.com/wiring](http://core-sensors.com/wiring)

**DIMENSIONS**

\*Dimensions are for reference only



**MODEL NUMBER CONFIGURATION**



Ordering Example: CS20-2BA01A4A000 (1/4" Male NPT, 1 inch probe, 316L SS, 0 to 100°C, 4-20mA, M12x1)  
 Contact Core Sensors for configurations not shown.  
 Visit our [How To Buy](#) page or [contact us](#) for a quote.