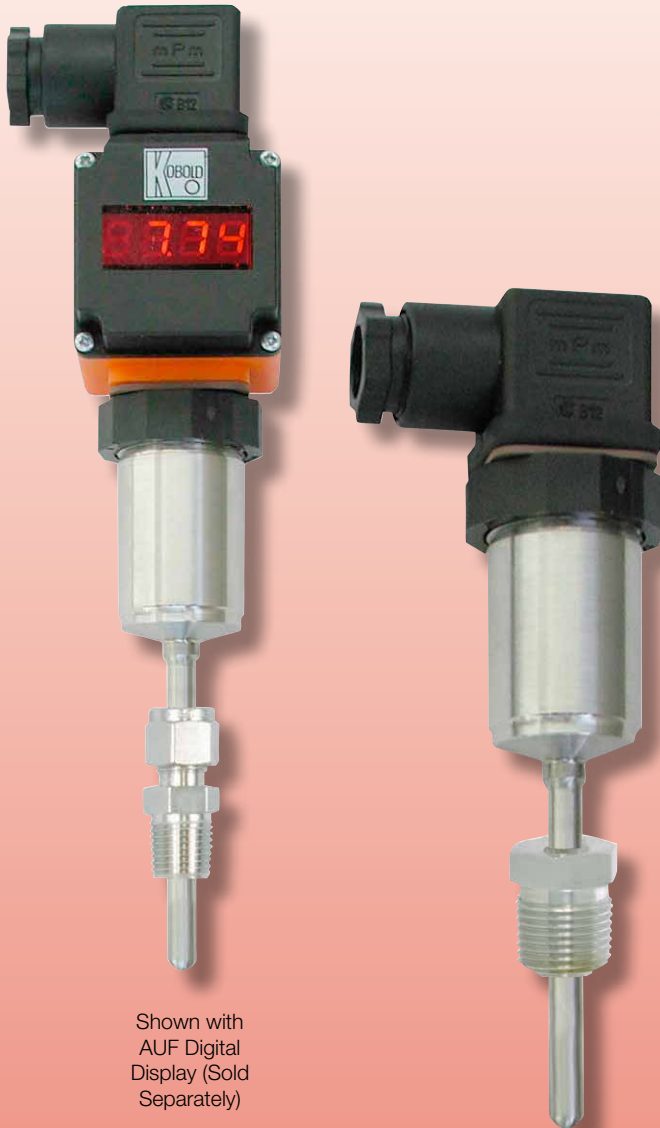


## Temperature Transmitters



measuring  
•  
monitoring  
•  
analyzing

TMA



Shown with  
AUF Digital  
Display (Sold  
Separately)

- High Accuracy
- 4-20 mA Loop Powered
- Rugged 316 SS Construction
- Temperature Range: -328...1112 °F
- Custom Designs Available
- Accessible Zero and Span



Order from: **C A Briggs Company**  
622 Mary Street; Suite 101; Warminster, PA 18974  
Phone: 267-673-8117 - Fax: 267-673-8118  
[Sales@cabriggs.com](mailto:Sales@cabriggs.com) - [www.cabriggs.com](http://www.cabriggs.com)

KOBOLD Instruments, Inc.  
1801 Parkway View Drive  
Pittsburgh, PA 15205



**Description**

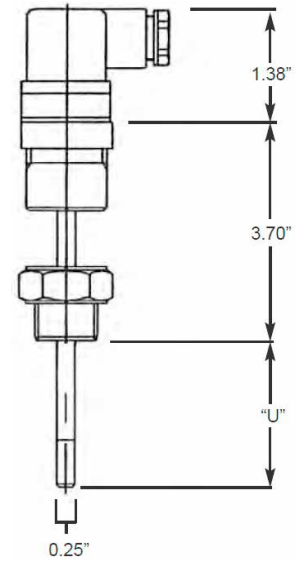
TMA temperature sensors employ a Pt100 class B resistive temperature detector (RTD) combined with an integrated, loop powered 4-20 mA output transmitter. The optional AUF digital indicator is designed to plug directly into the Hirschmann (DIN 43650) plug. The rugged TMA is constructed of all stainless steel. 1/4" or 1/2" NPT fittings are either welded to the tube or come as an adjustable bore-through compression fitting. The adjustable fitting allows for easy adjustment of the immersion depth. The unit comes factory calibrated to the customer's temperature specifications. It is possible to recalibrate via zero and span potentiometers at the connector.



**Technical Details**

- Operating Temperature:** -328...1112 °F (-200...600 °C)
- Ambient Temperature:** -40...158 °F (-40...70 °C)
- Sensing Element:** Pt100 Class B, per DIN 43670
- Max. Pressure:** 1450 PSIG
- Wetted Parts:** 316 Stainless Steel
- Fittings:** 1/4" or 1/2" NPT, Welded or Adjustable
- Connector:** Hirschmann Plug per DIN 43650
- Output:** 4-20 mA, 2-wire
- Supply Voltage:** 12-36 V<sub>DC</sub>
- Accuracy:** ± 0.2 °C + 0.2% of Span
- Zero/Span Drift:** 0.025% / °F
- Protection:** NEMA 4X, IP65
- Fault:** Reverse Polarity Protected
- Digital Display:** See Model AUF Datasheet  
(Not Included, Optional)

**Dimensions**



**Order Details (Example: TMA-S25 14F 025 05)**

Model	Fitting Size	Fitting Type	Probe Length (Dimension "U")	Temperature Range
TMA-S25..	..14.. = 1/4" NPT	..A.. = Adjustable	..025.. = 2-1/2"	..05 = 32...122 °F (0...50 °C)
			..040.. = 4"	..10 = 32...212 °F (0...100 °C)
			..060.. = 6"	..15 = 32...302 °F (0...150 °C)
	..12.. = 1/2" NPT	..F.. = Welded	..090.. = 9"	..20 = 32...392 °F (0...200 °C)
			..120.. = 12"	..40 = 32...752 °F (0...400 °C)
				..60 = 32...1112 °F (0...600 °C)
			..55 = -58...122 °F (-50...50 °C)	
			..51 = -58...302 °F (-50...150 °C)	
			..24 = -328...752 °F (-200...400 °C)	
			..26 = -328...1112 °F (-200...600 °C)	
			..E = Custom Range (Specify Exact Range)	