

Kobold Temperature Transmitters

- 4-20mA Output
- Hermetically Sealed Electronics
- Easily Re-Programmable via PC
- Low Cost and Easy Installation

The TST transmitter fits in a low profile housing which is only 2" long. PC calibration software allows temperature range, offset, burnout options and other features to be field selected without recalibration.

TST



- 4-20mA Output, Loop Powered
- Rugged 316 SS Construction
- -200 to 600°C Range
- Adjustable Zero & Span

The TMA series is factory calibrated. Zero and span potentiometers are accessible at the connector for recalibration.



TMA
with optional
AUF display

SPECIFICATIONS

Maximum Pressure:	
Threaded Version:	1500 PSIG
Tri-clamp Version:	500 PSIG
Probe Material:	316 Stainless Steel
Power Required:	9-30 VDC loop powered
RTD Type:	Pt100, class B
Output Accuracy:	±0.1% of Span
Ambient Temperature:	-40°F to 158°F

SPECIFICATIONS

Ambient Temperature:	-40°C to +70°C
Max. Pressure:	1450 PSIG
Probe:	316 SS, 1/4"/dia
Power Required:	12-36 VDC
RTD Type:	Pt100, class B
Output Accuracy:	±0.1% of Span
Connector:	Hirshmann plug
Protection:	NEMA 4X, IP65

ORDERING INFORMATION

To Order - Insert Code for Each Letter to Select Catalog Number.
Example KO/TST-A4040PV06C

KO/TST - A B C D E

A Fitting

00	1/4" probe diameter, smooth shank
A2	1/4" NPT, adjustable immersion depth
A4	1/2" NPT, adjustable immersion depth
F2	1/4" NPT, fixed immersion depth
F4	1/2" NPT, fixed immersion depth
T15	1 1/2" Tri-clamp
T2	2" Tri-clamp
T25	2 1/2" Tri-clamp
T3	3" Tri-clamp

B Available Immersion Depth

025	2.5"	040	4"
060	6"	090	9"
120	12"	180	18"
240	24"	EP	Custom (specify)

C Connection

PV	PVC jacket cable, 6 ft (220°C process max)
TF	Teflon jacket cable, 6 ft
TA	316 SS armored cable, 6 ft
TB	316 SS braided cable, 6 ft
H	DIN43650 Hirshmann Plug
M12	Micro DC 5 pin male Plug

D Available Measuring Range

02	0 to 120°F	04	0 to 200°F
06	0 to 300°F	08	0 to 400°F
10	0 to 500°F	12	0 to 750°F
18	-58 to 120°F	E	Custom scaling (specify)

E Options

C	1/2" NPT conduit hub
V1	0-5 VDC output in place of 4-20mA
V2	1-5 VDC output in place of 4-20mA
V3	0-10 VDC output in place of 4-20mA
EC	Extended cable length, specify length

KO/TST-PKIT Field calibration kit includes 9pin serial cable, 110VAC power pack & Windows software

ORDERING INFORMATION

To Order - Insert Code for Each Letter to Select Catalog Number.
Example KO/TMA-S2514A02505

KO/TMA - A B C

A Fitting Style

S2514F	1/4" NPT, fixed immersion depth
S2512F	1/2" NPT, fixed immersion depth
S2514F	1/4" NPT, adjustable immersion depth
S2512F	1/2" NPT, adjustable immersion depth

B Available Immersion Depth

025	2.5"	040	4"
060	6"	090	9"
120	12"		

C Available Measuring Range

05	0 to 50°C (32/122°F)
10	0 to 100°C (32/212°F)
15	0 to 150°C (32/302°F)
20	0 to 200°C (32/392°F)
40	0 to 400°C (32/752°F)
60	0 to 600°C (32/1112°F)
55	-50 to 50°C (-58/122°F)
51	-50 to 150°C (-58/302°F)
24	-200 to 400°C (-328/752°F)
26	-200 to 600°C (-328/1112°F)
E	Custom (specify)

The AUF display can be added to any 4-20 mA output that uses the Hirshmann connector. Installed between the transmitter and the cable, the AUF is fully scalable through two control buttons. Power is provided by the 4-20 mA loop, so no additional power supply is required.

SPECIFICATIONS

Display:	4-digit red LED, 5/16" tall	Sampling Rate:	0.33-20s, adjustable
Range:	-1999 to 9999	Switch:	Open collector, 60mA max., PNP
Loop Voltage Load:	5 volts	Protection:	NEMA 4

ORDERING INFORMATION

KO/AUF1000 Local Digital Display KO/AUF1001 Local Display w/Alarm