

RTD Temperature Transmitter

316 Stainless Steel Construction Ideal for Wash-Down, Outdoor, Sanitary, or Marine Environments



Includes mating M12 connector.

M12 female 4-pin connector shown.

Includes mounting bracket.

TX94A-SS transmitter shown smaller than actual size.

TX94A-SS Series



Optional

- ✓ **Splash-Proof 316 SS Housing with NEMA 4 (IP67) Rating**
- ✓ **Compact Design Attaches Directly to Pt100 Sensors with M12 Connecting Cable**
- ✓ **2-Wire, 4 to 20 mA Output**
- ✓ **±0.1% FS Accuracy**
- ✓ **Zero and Span Adjustments**
- ✓ **Upscale Break Protection**
- ✓ **Available in Ranges From -40 to 260°C (-40 to 500°F)**

Frequency Response:

3 dB @ 3 Hz

Input: RTD, Pt100 (0.00385 curve), 3 or 4-wire

Zero and Span Adjustment Range: ±25%

Ambient Temperature:

-40 to 85°C (-10 to 185°F)

Probe/Sensor Connection:

M12 style, 4-pin; male or female

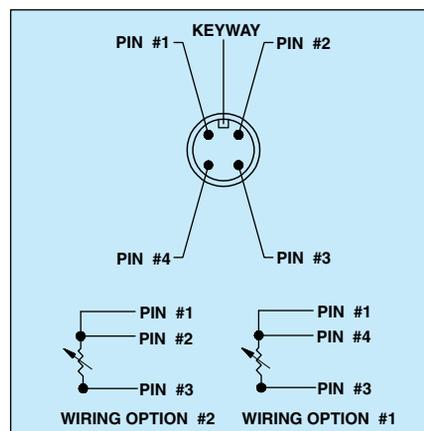
Output Connection: M12 style 4-pin male (free mating female connector included)

Approvals:

CE marked

Housing: 316 SS, polished finish; NEMA 4 (IP67) rated

Dimensions: 51 L x 38 mm diameter



The TX94A-SS temperature transmitters are high performance stainless steel industrial transmitters designed for direct connection to most CIP (clean-in-place) sanitary Pt100 probes that incorporate an M12 style connection. Available in four temperature ranges, the TX94A-SS has a standard 4 to 20 mA output signal.

Specifications

Supply Voltage: 8 to 35 Vdc; 24 Vdc recommended

Max Loop Resistance: (Vs - 8V)/0.020 A

Output Range: Linearized 4 to 20 mA dc over specified input range

Accuracy: ±0.1% FS (includes effects of linearity, hysteresis and repeatability)

PRS-3-100-A-S-0300-D1-M12 sold separately.



Compatible PRS-M12 probes available online.

M12 probe connector.

M12C cable, sold separately.

To Order

Model No.	Input Range	
TX94A-1-SS-M12(*)-(**)	-40 to 49°C	-40 to 120°F
TX94A-2-SS-M12(*)-(**)	-18 to 93°C	0 to 200°F
TX94A-3-SS-M12(*)-(**)	-18 to 149°C	0 to 300°F
TX94A-4-SS-M12(*)-(**)	-18 to 260°C	0 to 500°F

(*)"M""F"(**)"1""2"omega.com/m12c

Accessories

Model No.	Description
M12C-PUR-4-S-F-5	M12 connecting cable, 4-pin female, polyurethane jacket, 5 m (16.4') L, stripped lead termination
M12C-PVC-4-S-F-5	M12 connecting cable, 4-pin female, PVC jacket, 5 m (16.4') L, stripped lead termination
PSR-24S	Regulated power supply, 24 Vdc, 400 mA, screw terminals
PSR-24L	Regulated power supply, 24 Vdc, 400 mA, UL, 1.8 m (6') cable with stripped leads
PSR-24L-230	Regulated power supply, 24 Vdc, 400 mA, 230 Vac, CE, 1.8 m (6') cable with stripped leads
CAL-3	NIST traceable calibration with data

Ordering Example: TX94A-3-SS-M12F-1,PSR-24SM12C-PVC-4-S-F-5, PVC