

# RTD Temperature Transmitter

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



## 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)**

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)

M12 female 4-pin connector shown.

Includes mating M12 connector.

Includes mounting bracket.

TX94A-SS transmitter shown smaller than actual size.

## 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:

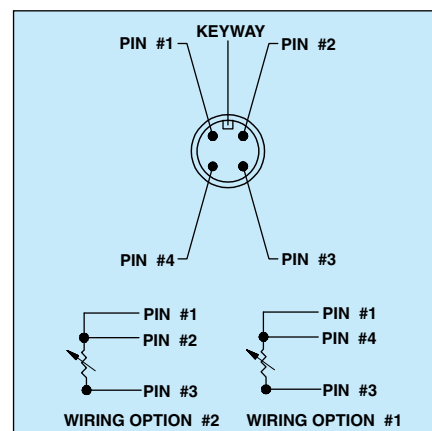
M12 style, 4-pin; male or female

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

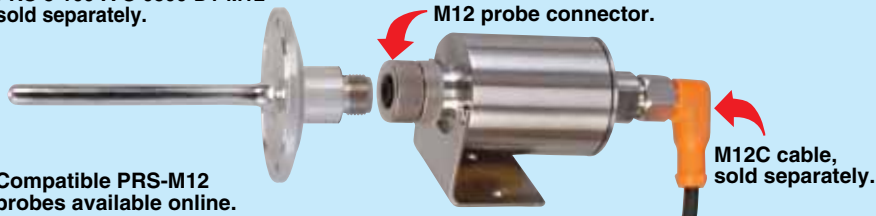
**Approvals:** CE marked

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

**Dimensions:** 51 L x 38 mm diameter



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



Compatible PRS-M12 probes available online.

## 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

## 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