

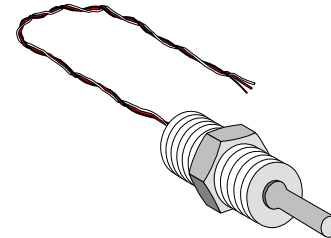
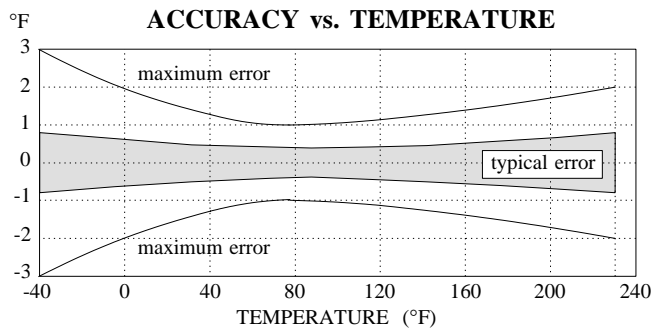
▲ PEAKTRONICS

TSP Series

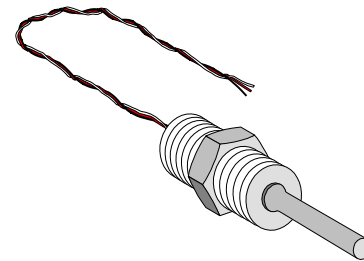
-40 to 230 °F Sensors

The TSP Series sensors are precision solid state temperature sensors with an output voltage that is linearly proportional to degrees Fahrenheit (10mV/°F). Since the TSP Series sensors are precalibrated, there is no need to match a sensor with a transmitter; this can be especially convenient during installation and service. The TSP Series sensors provide typical accuracies of ± 0.4 °F (at 77 °F) and ± 0.8 °F (over the -40 to 230 °F range).

When connected to a Peaktronics XMA-101 4-20mA Transmitter, no calibration is required to achieve a 5 to 200 °F signal from the XMA-101. The TSP Series output has a limited ability to drive heavy capacitive loads that can be found in some wiring. No special precautions are necessary with capacitive loads that are less than 50pF.



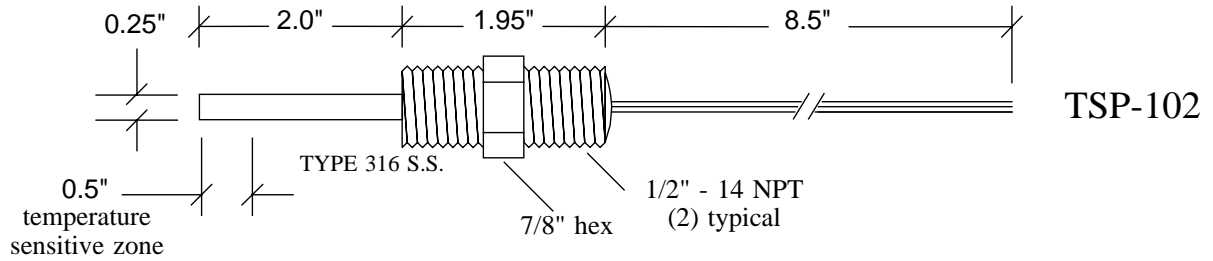
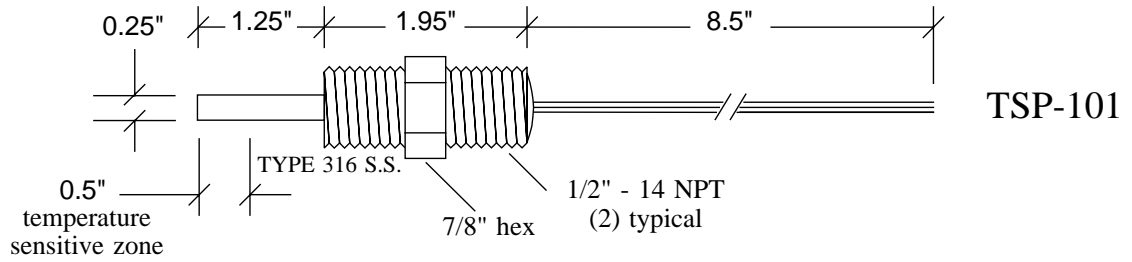
TSP-101



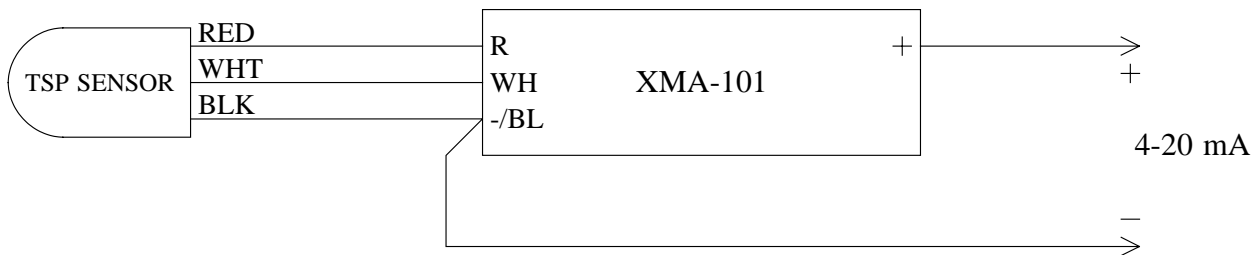
TSP-102

SPECIFICATIONS

TEMPERATURE RANGE	-40 to 230 °F
OUTPUT VOLTAGE	-0.40 to 2.30 VDC (10mV/°F)
STORAGE TEMPERATURE	-60 to 135 °C
OPERATING PRESSURE	3000 PSI maximum
ACCURACY (see graph)	
at 77 °F	±0.4 °F typical ±1.0 °F maximum
Full Range	±0.8 °F typical ±3.0 °F maximum
LONG TERM STABILITY (1000 hours at maximum temperature)	
	±0.16 °F typical



TYPICAL WIRING TO XMA-101 TRANSMITTER



TYPICAL WIRING TO ANALOG INPUTS

