>> Accurate High Temperature ceramic Pt 100 RTD

>> The single point sensor is encapsulated in a 6.35 mm OD304 stainless steel probe

>> Easily fitted to a FX-TW thermowell with ½" threads
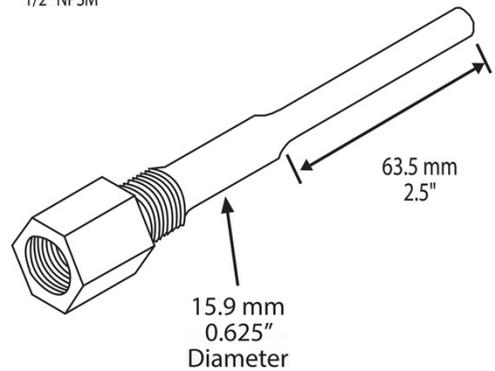
>> Optional probe lengths
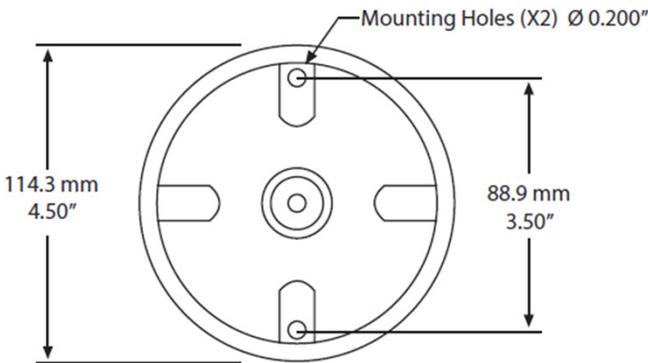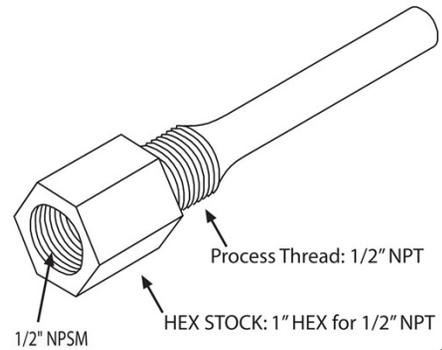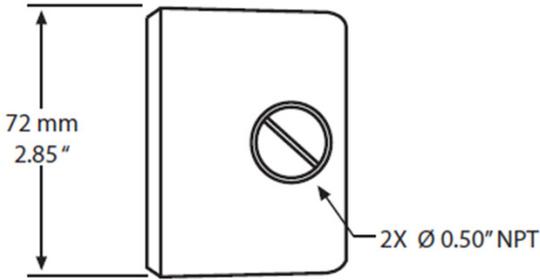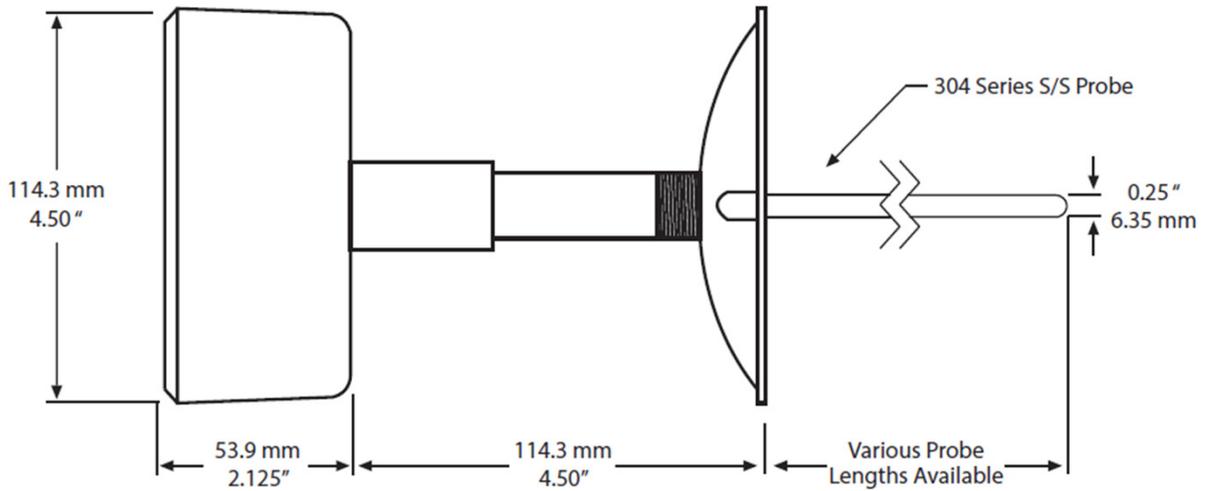
High temperature measurement

The probe temperature sensor FX-TES-PT100-HT utilizes a precision, high temperature rated platinum RTD sensor that is encapsulated in 6.35 mm (0.25") OD, 304 series stainless steel probe and is available in various lengths . It can be installed in the side of an exhaust stack to monitor the flue gas temperatures or with FX-TW thermowell to pipes carrying liquid or steam at high temperatures. The rigid stainless steel probe and the Weather proof Metal casing make the sensor suitable for most HVAC applications. The standard length of the probe is 200mm. The immersion type probes are installed in the appropriate length thermowell for the pipe size. Thermal conductive compound should be added inside the thermowell to provide optimum thermal transfer.

The FX-TW series thermowells are machined lathed from 1" barstock stainless steel. Thermowells have 1/2" NPT external thread and 1/2 NPSM internal thread.

Technical features

Sensor Type:	High Temperature rated Pt100 RTD
Sensor Accuracy:	±0.3°C
Probe Temperature Range:	-100 to 600°C
Probe Lengths:	100 mm, 50 mm, 150 mm, 200 mm, 300 mm, 450 mm
Probe Material:	304 Series Stainless Steel
IP protection class:	IP64
Probe Dimensions:	6.35 mm (0.25") Diameter
Termination:	Screw Terminal block
Manufacturing Process:	ISO9001
Ambient Temperature:	0 - 70°C
Ambient Humidity:	0-95% RH

Dimensions

114.3 mm
4.50"

53.9 mm
2.125"

114.3 mm
4.50"

304 Series S/S Probe

0.25"
6.35 mm

Various Probe
Lengths Available

72 mm
2.85"

2X Ø 0.50" NPT

Process Thread: 1/2" NPT

1/2" NPSM

HEX STOCK: 1" HEX for 1/2" NPT

Mounting Holes (X2) Ø 0.200"

114.3 mm
4.50"

88.9 mm
3.50"

63.5 mm
2.5"

15.9 mm
0.625"
Diameter

150 mm and up machined thermowells have a two step stem as shown. Welded construction have a 0.375" (9.5 mm) diameter.

Part numbers

FX-TES-PT100-HT200	High Temperature Pt100 RTD, 200 mm probe, default length		
FX-TW200	Thermowell 200mm (required only for immersion type)		
FX-TES-PT100-HT50	50 mm probe	**FX-TW50**	Thermowell 50mm
FX-TES-PT100-HT100	100 mm probe	**FX-TW100**	Thermowell 100mm
FX-TES-PT100-HT150	150 mm probe	**FX-TW150**	Thermowell 150mm
FX-TES-PT100-HT300	300 mm probe	**FX-TW300**	Thermowell 300mm
FX-TES-PT100-HT450	450 mm probe	**FX-TW450**	Thermowell 450mm