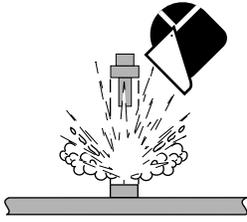# +GF+ SIGNET 2450 Pressure Sensor

Safety Instructions

1. Do not remove from pressurized lines.
2. Never install sensor without O-Rings.
3. Confirm chemical compatibility before use.
4. Do not exceed maximum temperature/pressure specifications.
5. Do not install/service without following mounting procedure.
6. Wear safety goggles and faceshield during installation/service.
7. Do not alter product construction.
8. Failure to follow safety instructions could result in severe personal injury.
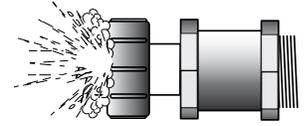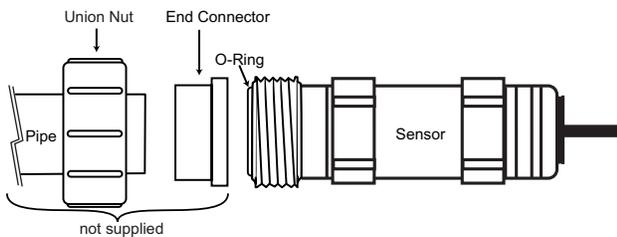
1. Installation

3/4" NPT (-1, -2):

1. Install in 3/4 in. NPT pipe fittings.
2. Tighten sensor 1.5 turns past finger tight.
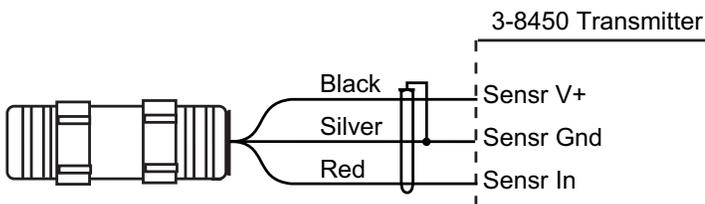3. A 3/4" pipe thread is provided to attach a cable conduit.

3/4" NPT threads at BOTH ends for in-line or submersible
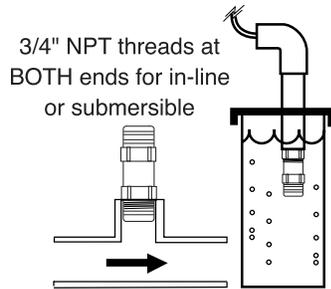
1/2" Male Union (-3, -4):

1. Slide union nut onto pipe or flexible tubing.
2. Install end connectors.
3. Hand-tighten union nut to secure.
4. A 3/4" pipe thread is provided to attach a cable conduit.

Union Nut   End Connector   O-Ring   Pipe   Sensor   not supplied

2. Wiring

Cable Length:	2450-1x, -3x	2450-2x, -4x
	15 ft. (4.6m)	6 in. (15.2 cm)

3-8450 Transmitter

Black — Sensr V+
Silver — Sensr Gnd
Red — Sensr In

3. Parts and Accessories

Part No.	Description
5523-0222	Sensor cable (per ft.)

4. Specifications

General

Operating Pressure:	2450-XL	2450-XH	2450-XU
	psig: 0-50	psig: 0-250	psig: 0-10
	bar: 0-3.5	bar: 0-17	bar: 0-0.7
Proof Pressure:	psig: 75	psig: 300	psig: 20
	bar: 5	bar: 20	bar: 1.5

Application Limits

Pressure [psi] / Pressure [bar] vs Temperature

-XH, -XL, -XU
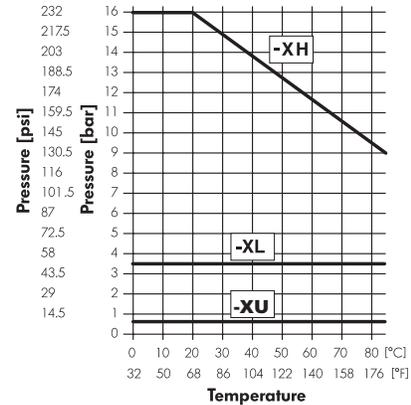
Process connection:	3/4 in. NPT or 1/2" Male Union
Accuracy:	±1% of full scale
Repeatability:	±0.5% of full scale
Wetted materials:	PVDF, Ceramic, FPM (Viton®)
Cable type:	PVC jacketed, 2-conductor twisted pair with shield (22 AWG)
Signal compatibility:	+GF+ SIGNET 8450 Pressure Transmitter
Operating temperature:	0 to 85ºC (32 to 185ºF)
Storage temperature:	-55°C to 100ºC (-67ºF to 212ºF)

Standards and Approvals

- Manufactured under ISO 9001
- CE

Dimensions

197 mm (7.75 in.)

80 mm (3.15 in.)

3/4 in. NPT

19.1 mm (0.75 in.)

33.3 mm (1.3 in.)

2450-3, -4 (union)

27 mm (1.05 in.)

2450-1, -2 (NPT)

2450-2, -4 with integral kit and transmitter (sold separately)