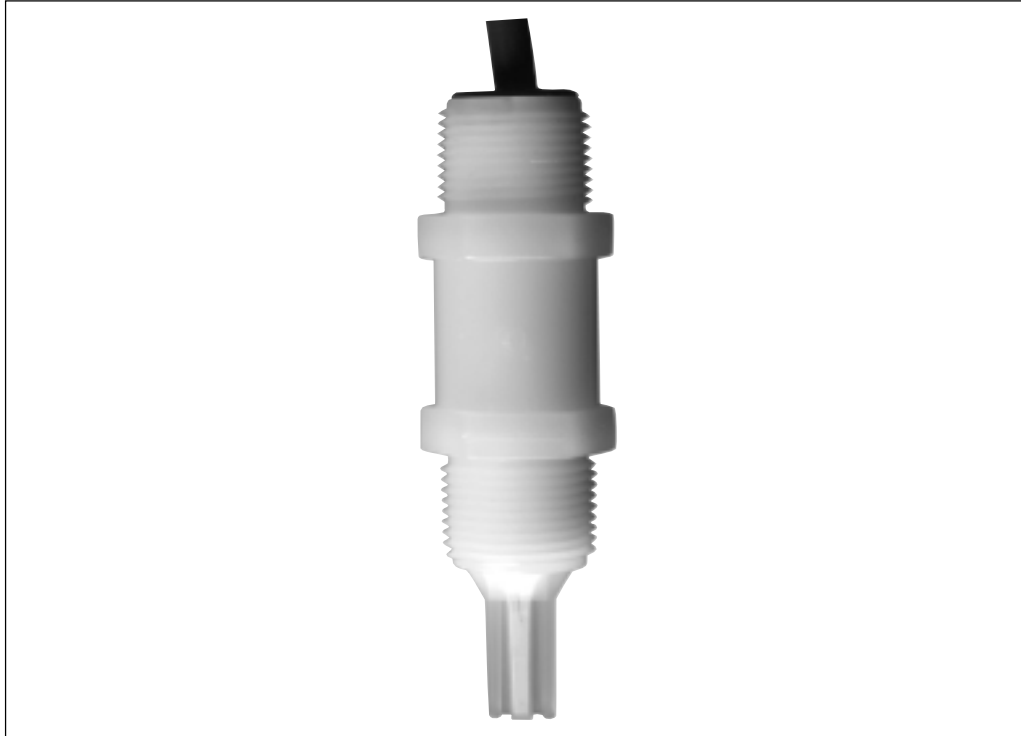


# +GF+ SIGNET 2350 Temperature Sensor



## Features

- Standard 3/4" NPT Process Connection
- PT-1000 Platinum RTD sensor
- Easy Installation
- Threaded for In-line or submersion
- Digital Output

## Application

- HVAC systems
- Heat Exchangers
- Acid/Base conveyance systems
- Plating Bath Temperature Control

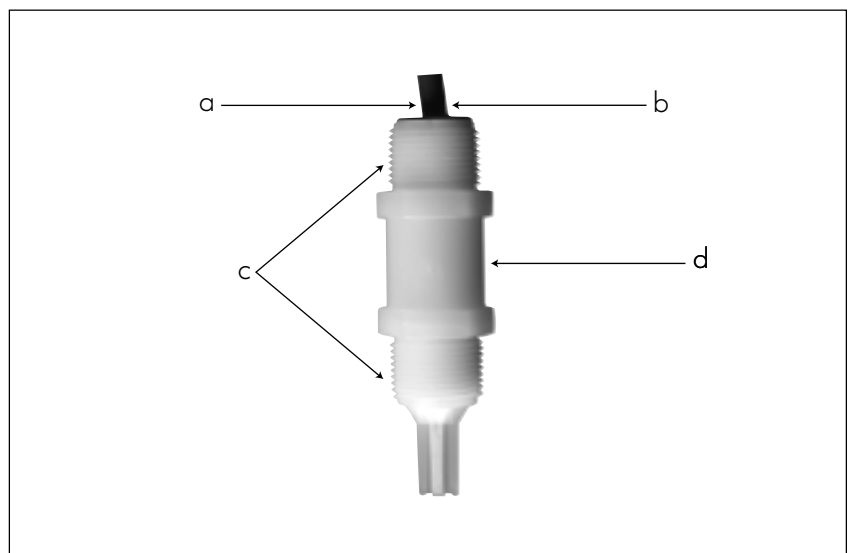
## Description

The +GF+ SIGNET 2350 Temperature Sensor has an all PVDF body to maintain purity and outlast metal sensors in aggressive liquids eliminating the need for costly custom thermowells. Standard 3/4" NPT thread allows simple installation in any piping system. Threaded both ends allow for submersion in

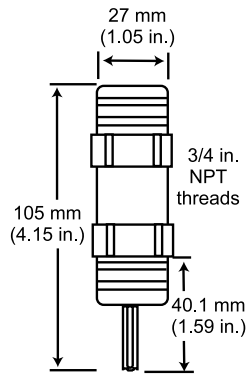
process vessels or for in-line applications with attachment of conduit. Digital signal allows for wiring distances between sensor and +GF+ SIGNET 3-8350 Temperature Transmitter of up to 200 ft. An integral adapter (optional) allows for integration of the sensor and transmitter into a compact assembly.

## Technical Features

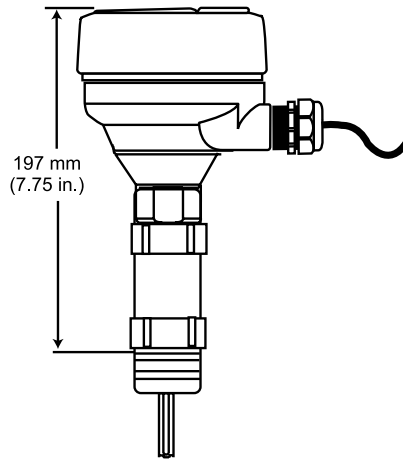
- 15 ft (4.5 m) cable for remote installation, Model 3-2350-1
- 6 in (152 mm) cable for integral installation, Model 3-2350-2
- 3/4" NPT process connection
- One-piece PVDF body



# Dimensions



**2350-X**



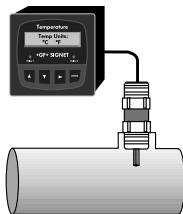
**Sensor shown with integral kit and transmitter (sold separately)**

## Installation

The transmitter is available in a panel mount or a field version. Select either the universal mount kit (3-8050) to mount the transmitter on a surface near the sensor or select the integral mount kit (3-8052) to mount the transmitter onto the sensor.

### 1. Panel Mount

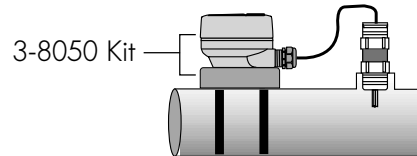
3-8350-XP



All panel mount transmitters (3-8350-XP) include everything for panel installation. Panel mount transmitters fit into a standard 1/4 DIN panel cutout.

### 2. Universal Mount

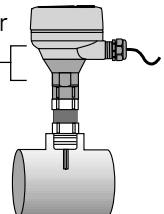
3-8350-X Transmitter



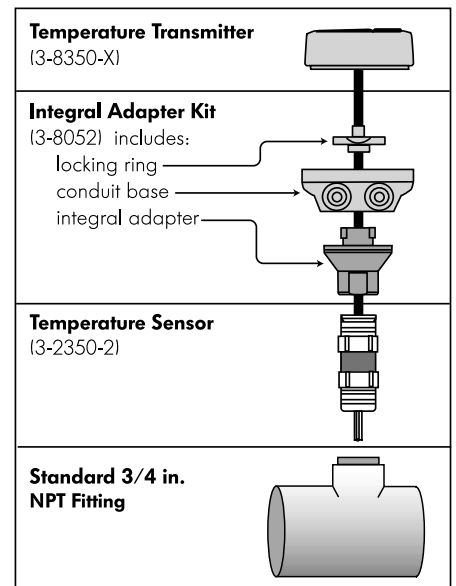
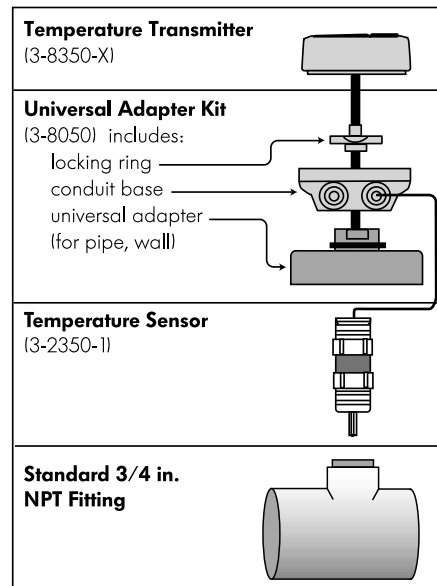
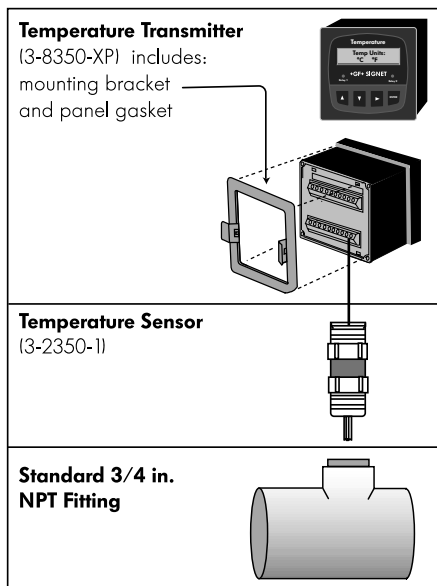
The Universal Mount Kit (3-8050) includes a conduit base, locking ring, and universal adapter for mounting the transmitter on a pipe, wall, or other stationary surface.

### 3. Integral Mount

3-8350-X Transmitter  
3-8052 Kit

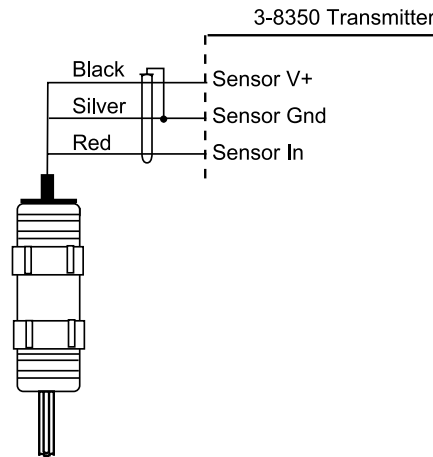


The Integral Mount Kit (3-8052) includes a conduit base, locking ring, and integral adapter for mounting the transmitter and sensor directly onto a pipe.



## Wiring

The sensor cable leads are connected to the 8350 transmitter. Cable length is either 15 ft/4.5 m or 6 in/152 mm. Cable may be extended up to 200 ft/61 m using 2 conductor shielded cable.



## Technical Data

### General

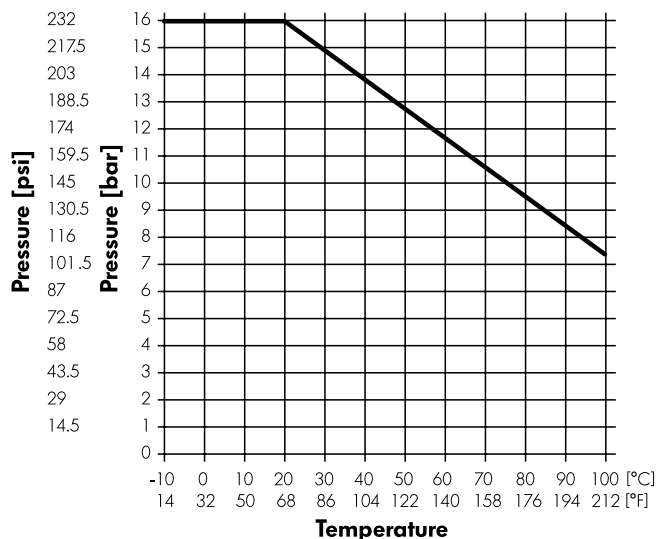
Temperature Range: -10 to 100°C (14 to 212°F)  
Process Connection: 3/4" NPT  
Accuracy:  $\pm 0.5^{\circ}\text{C}$  ( $\pm 0.9^{\circ}\text{F}$ )  
Repeatability:  $\pm 0.1^{\circ}\text{C}$  ( $\pm 0.2^{\circ}\text{F}$ )  
Wetted Materials: PVDF  
Cable Type: PVC jacketed, 2-conductor twisted pair with shield (22 AWG)  
Weight: Approx. 151g (0.33lbs)  
Signal Compatibility: 8350 Temperature Transmitter  
Storage Temperature: -55°C to 100°C (-67°F to 212°F)

### Standards and Approvals

- Manufactured under ISO 9001
- CSA, CE, UL listed

## Pressure/Temperature Range Chart

### Application Limits



## Ordering Information

<b>Mfr. Part No.</b>	<b>Code</b>	<b>Description</b>
3-2350-1	159 000 021	Temperature sensor 3/4" MNPT, 15 ft cable
3-2350-2	159 000 022	Temperature sensor 3/4" MNPT, 6 in cable

## Accessories

<b>Mfr. Part No.</b>	<b>Code</b>	<b>Description</b>
3-8050	159 000 184	Universal mounting kit
3-8052	159 000 188	3/4" Integral mounting kit
P31934	159 000 466	Conduit cap
5523-0222	159 000 392	Cable, per ft.

## Engineering Specifications

- The sensor shall be CSA, UL and CE listed.
- The sensor shall be constructed of a one-piece PVDF body.
- The sensor shall be equipped with 3/4" NPT threads on both ends for in-line or submersion installations.
- The sensor shall be supplied with either a 6 in cable for integral assembly or shall be supplied with 15 ft standard, maximum allowable cable 200 ft.
- The operating range of the sensor shall be -10 to 100°C (14 to 212°F).
- The sensor shall be +GF+ SIGNET model number 3-2350-1, 3-2350-2 or equivalent.