

# Signet 8350 Temperature Transmitters



Check out the 9900 Transmitter for your single channel needs

## Member of the ProcessPro® Family of Transmitters



Panel Mount



Pipe, Wall, Tank and Integral Mount

The Signet 8350 Temperature Transmitter offers local or remote display with current and relay outputs. This model offers exceptional repeatability and accuracy over a wide operating temperature range. Configurations include open collector outputs for process control or alarming.

The unit also has the ability to accept other temperature sensors which have 4 to 20 mA output via the Signet 8058 Signal Converter. The chemical resistant NEMA 4X/IP65 front face is found on both the highly visible field mount or black panel mount instruments with a self-healing window and a standard 1/4 DIN cutout. Dual input allows difference calculation ( $\Delta T$ ) and offers cost savings with independent dual outputs. All models offer an output simulation function for complete system testing.

## Features

- Digital (S<sup>3</sup>L) input for stable & reliable reading
- Dual sensor input
- Field scaleable dual 4 to 20 mA output
- Displays temperature and mA output
- Temperature display in degrees Celsius (°C) or Fahrenheit (°F)
- Dual open collector output
- NEMA 4X/IP65

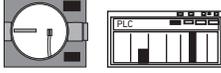
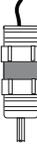


## Applications

- Process Temperature Monitoring
- Plating Bath Temperature Control
- Heat Exchange Monitor
- R.O. or D.I. Monitoring
- Hot/Cold Mixing System Monitoring
- Data Acquisition
- Cooling Loops
- Effluent Monitoring
- HVAC
- Chemical Processing



# System Overview

Panel Mount	Pipe, Tank, Wall	4 to 20 mA input	Integral Mount
<b>Signet 8350 Temperature Transmitter</b> 	<b>Signet 8350 Temperature Transmitter with 3-8050 Universal Mount Kit</b> 	<b>Customer Supplied Chart Recorder Programmable Logic Controller</b> 	<b>Signet 8350 Temperature Transmitter with 3-8052 Integral Mount Kit</b> 
<b>Signet Sensor 2350</b> 		All sold separately	
In-Line Installation - Customer supplied fittings		Submersible Installation - Customer supplied pipe extension or conduit with 3/4 in. FNPT threads* 	

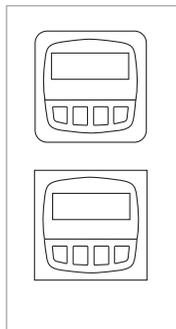
\*Refer to the Signet Submersion Kit brochure (3-0000.707) located on our website for installation suggestions and options. 8058 signal converter and 8059 external relay module also compatible

## Ordering Notes

- Field mount instruments can be mounted with a sensor in an integral configuration by choosing the following:
  - Order integral adapter kit PN 3-8052 (sold separately) to connect the transmitter directly onto the sensor.
- Panel mount version has an optional splashproof rear cover can be ordered separately if needed.
- Use the universal mounting kit with the field mount transmitter to mount to a pipe, tank or wall.
- To mount panel version on a wall, use heavy duty wall mount bracket.
- Panel cutout should be 92 mm X 92 mm (3.62 in X 3.62 in.).

Please refer to Wiring, Installation, and Accessories sections for more information.

## Ordering Information



Mfr. Part No.	Code	Input	Output	Power
Temperature Transmitter				
Field mount or pipe, wall, tank, or integral mounting				
3-8350-3	<b>159 000 196</b>	Two	Two 4 to 20 mA outputs and two open collectors	4 wire
Panel mount with mounting bracket and panel gasket				
3-8350-3P	<b>159 000 197</b>	Two	Two 4 to 20 mA outputs and two open collectors	4 wire

## Accessories and Replacement Parts

Mfr. Part No.	Code	Description
<b>Mounting</b>		
3-8050	<b>159 000 184</b>	Universal mounting kit
3-8050.395	<b>159 000 186</b>	Splashproof rear cover (panel mount only)
3-8052	<b>159 000 188</b>	3/4 in. Integral mounting kit
3-8052-1	<b>159 000 755</b>	3/4 in. NPT mount junction box w/one liquid tight connector and cap with terminal block
3-0000.596	<b>159 000 641</b>	Heavy duty wall mount bracket (panel mount only)
3-5000.399	<b>198 840 224</b>	Panel adapter, 5 x 5 in. to 1/2 DIN
3-5000.598	<b>198 840 225</b>	Surface mount bracket (panel mount only)
3-9900.396	<b>159 001 701</b>	Angle adjustment adapter kit
<b>Liquid Tight Connectors</b>		
3-9000.392	<b>159 000 368</b>	Liquid tight connector kit for rear cover (3 connectors)
3-9000.392-1	<b>159 000 839</b>	Liquid tight connector kit, NPT (1 connector)
3-9000.392-2	<b>159 000 841</b>	Liquid tight connector kit, PG 13.5 (1 connector)
<b>Other</b>		
3-8058-1S	<b>special order</b>	4 to 20 mA to digital signal converter, single input, loop powered
3-8058-2S	<b>special order</b>	4 to 20 mA to digital signal converter, dual input, loop powered

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