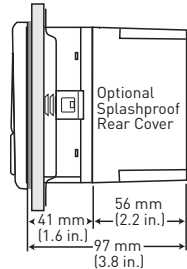
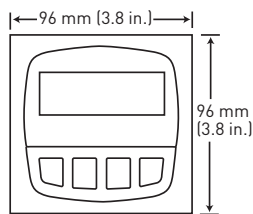
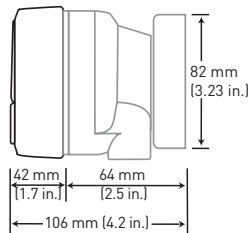


Dimensions

3-8350-XP



Field version with universal mount



Model 8350

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.
- 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.
- Order RC filter kits to protect relays from voltage spikes.
- 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.

Specifications

General

Compatibility:

Signet 2350 Temperature Sensor versions w/digital output or other sensors with 4 to 20 mA output (via Model 8058)

Accuracy: $\pm 0.5^{\circ}\text{C}$ ($\pm 0.9^{\circ}\text{F}$) (based on 2350)

Display

- Alphanumeric, 2 x 16 dot matrix LCD
- Update Rate: 1 second
- Contrast: User selected, 5 levels

Materials

- Case: PBT
- Panel Case Gasket: Neoprene
- Window: Polyurethane coated polycarbonate
- Keypad: Sealed 4-key silicone rubber

Electrical

Power:

- 12 to 24 VDC $\pm 10\%$ regulated
- (-1) 21 mA max.
- (-2) 200 mA max.
- (-3) 31 mA max.

Current Output

- 4 to 20 mA, isolated, passive, fully adjustable and reversible
- Max. Loop Impedance:
 - 50 Ω max. @ 12 V
 - 325 Ω max. @ 18 V
 - 600 Ω max. @ 24 V
- Update Rate: 200 ms
- Accuracy: ± 0.03 mA

Electrical (continued)

Relay Output

- Mechanical SPDT contacts: High, Low, Pulse, Off
 - Maximum Voltage Rating: 5 A @ 30 VDC, 5 A @ 250 VAC resistive load
 - Hysteresis: User adjustable
 - Maximum 400 pulses/min.
- Open-Collector Output
- High, Low, Pulse, Off
 - Optically isolated, 50 mA max, sink, 30 VDC max. with pull-up resistor
 - Hysteresis: User adjustable
 - Maximum 400 pulses/min.

Environmental

Enclosure Rating: NEMA 4X/IP65 front

Operating Temperature:

-10 $^{\circ}\text{C}$ to 70 $^{\circ}\text{C}$ (14 $^{\circ}\text{F}$ to 158 $^{\circ}\text{F}$)

Storage Temperature:

-15 $^{\circ}\text{C}$ to 80 $^{\circ}\text{C}$ (5 $^{\circ}\text{F}$ to 176 $^{\circ}\text{F}$)

Relative Humidity:

0 to 95%, non-condensing

Shipping Weight 0.325 kg 0.8 lb

Standards and Approvals

- CE, UL listed, CUL
- RoHS compliant
- Manufactured under ISO 9001 for Quality and ISO 14001 for Environmental Management

Ordering Information

Instrument Part Number	
3-8350	Temperature Transmitter
	Input(s), Outputs, and Power - Choose One
	-1 One input with 4 to 20 mA output and one open collector; uses 2 wire power
	-2 One input with 4 to 20 mA output and two relays; uses 4 wire power
	-3 Two inputs with two 4 to 20 mA outputs and 2 open collectors; uses 4 wire power
	Field or Panel Mount - Choose One
	- Field mount for pipe, wall, tank, or integral mounting
	P Panel mount with mounting bracket and panel gasket
3-8350	-1 P Example Part Number

Mfr. Part No	Code	Mfr. Part No	Code
3-8350-1	159 000 192	3-8350-2P	159 000 195
3-8350-1P	159 000 193	3-8350-3	159 000 196
3-8350-2	159 000 194	3-8350-3P	159 000 197

Accessories and Replacement Parts

Mfr. Part No.	Code	Description
Mounting		
3-8050	159 000 184	Universal mounting kit
3-8050.395	159 000 186	Splashproof rear cover (panel mount only)
3-8052	159 000 188	3/4 in. Integral mounting kit
3-8052-1	159 000 755	3/4 in. NPT mount junction box w/one liquid tight connector and cap with terminal block
3-0000.596	159 000 641	Heavy duty wall mount bracket (panel mount only)
3-5000.598	198 840 225	Surface mount bracket (panel mount only)
Liquid Tight Connectors		
3-9000.392	159 000 368	Liquid tight connector kit for rear cover (3 connectors)
3-9000.392-1	159 000 839	Liquid tight connector kit, NPT (1 connector)
3-9000.392-2	159 000 841	Liquid tight connector kit, PG 13.5 (1 connector)
Other		
3-8050.396	159 000 617	RC filter kit (for relay use) - 2 per kit
3-8058-1S	special order	4 to 20 mA to digital signal converter, single input, loop powered
3-8058-2S	special order	4 to 20 mA to digital signal converter, dual input, loop powered