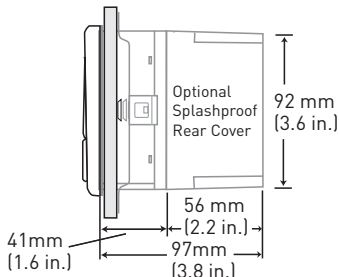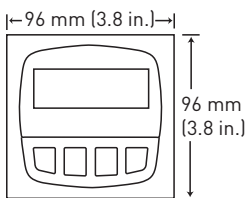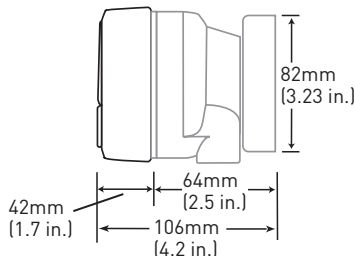# Dimensions

3-8550-XP

Field version with universal mount

Model 8550
Ordering Notes

1) Use the field mount version to directly mount the instrument to the Model 515 or 2536 integral mount sensor. See sensor data sheet for more information.
2) Field mount and sensor can be ordered in a package. See Integral Mount for more information.
3) Panel Cutout should be 92 mm X 92 mm (3.62 in X 3.62 in.).
4) An optional splash proof rear cover for the panel mount version can be ordered separately if needed.

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

Specifications

General

Compatibility:
  Signet Flow Sensors with frequency outputs
Accuracy: ± 0.5% of reading
Display: Alphanumeric 2 x 16 LCD
Update Rate: 1 second
Contrast: User selectable, 5 levels

Materials

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

Electrical

Power: 12 to 24 VDC ±10%, regulated
  (-1) 90 mA max.
  (-2) 220 mA max.
  (-3) 100 mA max.
Sensor Input Range: 0.5 to 1500 Hz
Sensor Power:
- 2-wire: 5 VDC ± 1% @ 1.5 mA
- 3 or 4 wire: 5 VDC ± 1% @ 20 mA
  Optically isolated from current loop
  Short circuit protected
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: 100 ms
- Accuracy: ±0.03 mA

Electrical (continued)

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

Environmental

Operating Temperature:
  -10 °C to 70 °C (14 °F to 158 °F)
Storage Temperature:
  -15 °C to 80 °C (5 °F to 176 °F)
Relative Humidity:
  0 to 95%, non-condensing
Enclosure: NEMA 4X/IP65 (front)

Shipping Weight   0.325 kg   0.8 lb

Standards and Approvals

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

Ordering Information

Instrument Part Number	
3-8550	ProcessPro® Flow Transmitter
	Sensor Input, Sensor Power, Outputs - Choose One
-1	One input, 2 or 4 wire, 4 to 20 mA and open collector for Hi, Lo, Pulse, or Frequency
-2	One input, 4 wire, 4 to 20 mA and 2 relays for Hi, Lo, or Pulse
-3	Two inputs, 2 or 4 wire, two 4 to 20 mA outputs and 2 open collectors for Hi, Lo, Pulse, or Frequency
	Field or Panel Mount - Choose One
-	Field mount
P	Panel mount; includes mounting bracket and panel gasket
3-8550	**- 1** **Example Part Number - Field mount**

Mfr. Part No.	Code
3-8550-1	**159 000 047**
3-8550-1P	**159 000 048**
3-8550-2	**159 000 049**

Mfr. Part No.	Code
3-8550-2P	**159 000 050**
3-8550-3	**159 000 051**
3-8550-3P	**159 000 052**

Accessories and Replacement Parts

Mfr. Part No.	Code	Description
Mounting Accessories		
3-8050	**159 000 184**	Universal mounting kit
3-8051	**159 000 187**	Flow integral mount NPT
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)
3-8050.395	**159 000 186**	Splashproof rear cover (panel mount only)
Liquid Tight Connectors and Other		
3-9000.392	**159 000 368**	Liquid tight connector kit for rear cover (includes 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)
3-8050.396	**159 000 617**	RC filter kit (for relay use)