

LIQUID FLOW TRANSMITTERS

With Available Visual Indication



FPR205-PC, shown smaller than actual size.

FPR200 Series



- ✓ 2% FS Accuracy
- ✓ 0.5 to 50 GPM Range
- ✓ Visual Indication of Flow Pulse
- ✓ Simple Design
- ✓ 4 to 20 mA, Pulse or Relay Output
- ✓ Reverse Polarity Protection

SPECIFICATIONS

Accuracy: 2% FS

Repeatability: 0.5% FS

Temperature Range:

Stainless Steel Body: -7 to 107°C
(20 to 225°F)

Polypropylene Body: -7 to 65°C
(20 to 150°F)

Analog Output: 4 to 20 mA

Power Supply: 12 to 35 Vdc

Load Driving Capacity: 1150 Ω max

Response Time: 2 s to 90% (step change in flow rate)

Electrical Connection: 3 m (10') cable

Pulse Dry-Contact Output

(-PS Models)

Max Voltage: 30 Vac/Vdc

Max Current: 10 mA ac/dc

Max Power: 0.25 W

Relay Output: Form C (SPDT),
rated 5A @ 120/240 Vac

Wetted Parts for 316 SS Bodies

Casing: 316 SS

Cover: Stainless steel
or clear polycarbonate

Seal: Buna, EPR or FKM (optional)

Turbine: Acetal copolymer

Bearing: PEEK™

Shaft: Stainless steel Non-Wetted
Parts for 316 SS Bodies

Encapsulant: Epoxy

Strain Relief: Nylon

Lock Ring: Stainless steel

Wire Insulation:

High-temperature PVC

Max Viscosity: 5 cps wetted parts for
polypropylene bodies

Sensor Body: Glass-filled polypropylene

Cover: Clear polycarbonate

Seal: Buna

Turbine: Acetal copolymer

Bearing: PEEK

Shaft: Stainless steel

**Non-Wetted Parts for
Polypropylene Bodies**

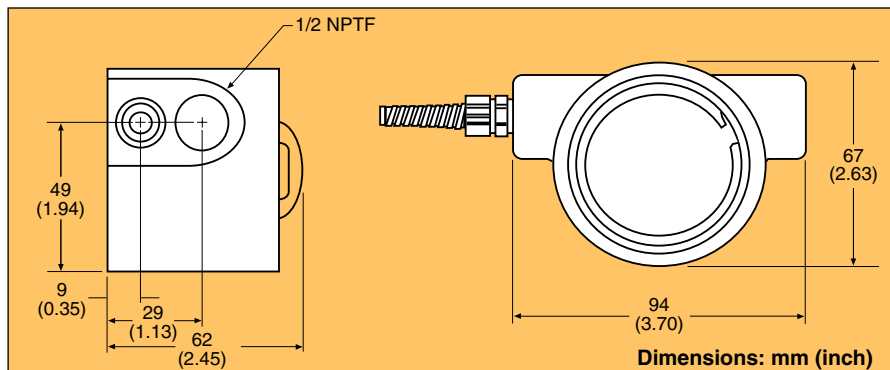
Encapsulant: Epoxy

Strain Relief: Nylon

Lock Ring: Glass-filled polypropylene

Wire Insulation: High-temperature PVC

The FPR-200 Series flow-rate sensor integrates rugged tangential turbine technology with a precision digital-to-analog conversion circuit hermetically encapsulated within the body of the sensor. This flow sensor is ideal for measuring flow rates in cooling circuits, HVAC systems, and batching operations.



FPR204P-PC,
shown smaller
than actual size.



To Order Visit omega.com/fpr200 for Pricing and Details

316 SS Sensor Transmitter

Model No.	Connection NPT	Body Material/ Output	Visual Indicator	Max Pressure (PSIG)	Range	
					LPM	GPM
FPR204-PC-PS	1/2	316 SS/ pulse dry contact	Y	200	1.9 to 18.9	0.5 to 5.0
FPR204-PS			blind	500		
FPR204P-PC		Polypropylene/ 4 to 20 mA	Y	150		
FPR204P-PC-PS			Y	150		
FPR205		316 SS/ 4 to 20 mA	blind	500	5.7 to 56.8	1.5 to 15.0
FPR205-PC			Y	200		
FPR205-PC-PS		316 SS/ pulse dry contact	Y	200		
FPR205-PS			blind	500		
FPR205P-PC		Polypropylene/ 4 to 20 mA	Y	150		
FPR205P-PC-PS			Y	150		
FPR203-PC-PS	3/4	316 SS/ pulse dry contact	Y	200	11.4 to 113.6	3.0 to 30.0
FPR203-PS			blind	500		
FPR206		316 SS/ 4 to 20 mA	blind	500	18.9 to 189.3	5.0 to 50.0
FPR206-PC			Y	200		
FPR206-PC-PS		316 SS/ pulse dry contact	Y	200		
FPR206-PS			blind	500		
FPR207	1	316 SS/ 4 to 20 mA	blind	500		
FPR207-PC			Y	200		
FPR207-PS		316 SS/ pulse dry contact	blind	500		

Flow Switches with Relays

Flow Switches with Relays						
FSW204-PC FSW204	1/2	316 SS/Relay	Y blind	200 500	1.9 to 18.9	0.5 to 5.0
FSW204P-PC		Polypropylene/Relays	Y	150		
FSW205-PC		316 SS/Relay	Y	200	5.7 to 56.8	1.5 to 15.0
FSW205			blind	500		
FSW205P-PC		Polypropylene/Relays	Y	150		
FSW203-PC	3/4	316 SS/Relay	Y	200	11.4 to 113.6	3.0 to 30.0
FSW203			blind	500		
FSW207-PC	1		Y	200	18.9 to 189.3	5.0 to 50.0
FSW207			blind	500		

Comes complete with 3 m (10') cable and operator's manual.

For units with EPR seals, add suffix "-EPR" to model number, no extra charge.

For units with FKM seals, add suffix "-FKM" to model number, for additional cost.

Ordering Examples: FPR205, blind flow transmitter.

FPR205-PC-FKM, blind flow transmitter with clear cover and FKM seals.