

LOW-FLOW POLYPROPYLENE AND TFE LIQUID FLOWMETERS

FPR300 Series
Starts at
\$285



- ✓ Impeller Design With Only One Moving Part
- ✓ Field Replaceable Sensor
- ✓ Excellent Low-Flow Performance
- ✓ Versatile Square-Wave Signal

The FPR300 Series comprises versatile impeller flowmeters in $\frac{3}{8}$ to 1" nominal pipe size that employ jewel bearings for very low minimum flows. The 6 to 24 Vdc pulse output of these meters is compatible with many different types of control, including a full range of OMEGA® rate displays and controls. The FPR300 Series body material is polypropylene, with transparent acrylic covers for visual flow indication. Polypropylene covers are available as an option. The FPR310 Series has TFE housing, TFE cover (not visual), PVDF rotor, and a ceramic shaft.

SPECIFICATIONS

Accuracy: 1% FS
Max Temperature: 70°C (160°F)
Max Pressure: 10 bar (150 psi)
Power: 6 to 24 Vdc @ 2 mA
Output: NPN open collector

MATERIALS

Body:

FPR300 Series: Polypropylene
FPR310 Series: TFE

Cover:

FPR300 Series: Acrylic, polypropylene (sold separately)
FPR310 Series: TFE

Rotor:

Shaft:

FPR300 Series: Nickel tungsten carbide
FPR310 Series: zirconia ceramic, silicon

Bearings: Ruby



FPR301 with translucent cover, \$285, shown smaller than actual size.

FPR311 with opaque cover, \$590.



O-Ring:

FPR300 Series: EPDM
FPR310 Series: FKM

Dimensions: 56 H x 104 L x 53 mm D (2.2 x 4.1 x 2.1")

Cable: 5.5 m (18')

Max Pressure Drop:

FPR301, FPR311: 15 psi
FPR302, FPR312: 20 psi
FPR303, FPR313: 20 psi
FPR304, FPR314: 20 psi

IN STOCK FOR FAST DELIVERY!

To Order (Specify Model Number)

Polypropylene (Translucent)		TFE Opaque/Non-Visual			Nominal K Factors (pulses/gallon)
Model No.	Price	Model No.	Price	Connection/Range	
FPR301	\$285	FPR311	\$590	$\frac{3}{8}$ NPT, 0.07 to 5 GPM	1200 to 1380
FPR302	285	FPR312	590	$\frac{1}{2}$ NPT, 0.1 to 10 GPM	600 to 680
FPR303	285	FPR313	590	$\frac{3}{4}$ NPT, 0.2 to 20 GPM	375 to 460
FPR304	285	FPR314	590	1 NPT, 0.5 to 40 GPM	215 to 270

Accessories

Model No.	Price	Description
FPR300-SENSOR	\$93	Replacement sensor with 5.5 m (18') cable
FPR300-V	16	Replacement FKM O-ring, for FPR310 units
FPR300-E	16	Replacement EPDM O-ring, for FPR300 units
FPR300-PCOVER	55	Polypropylene cover
DPF701	280	Rate or total panel meter

Recommended Reference Book: Flow Measurement Methods and Applications, CM-4339, \$175. Visit omega.com/bobi for Additional Books.

Comes complete with operator's manual and 5.5 m (18') cable.

Ordering Examples: FPR302, $\frac{1}{2}$ NPT polypropylene, 0.1 to 10 GPM, \$285.
 FPR314, 1 NPT TFE, 0.5 to 40 GPM, \$590.



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• Flow and Level

Air Velocity Indicators, Doppler Flowmeters, Level Measurement, Magnetic Flowmeters, Mass Flowmeters, Pitot Tubes, Pumps, Rotameters, Turbine and Paddle Wheel Flowmeters, Ultrasonic Flowmeters, Valves, Variable Area Flowmeters, Vortex Shedding Flowmeters

• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

Auto-Dialers and Alarm Monitoring Systems, Communication Products and Converters, Data Acquisition and Analysis Software, Data Loggers Plug-in Cards, Signal Conditioners, USB, RS232, RS485 and Parallel Port Data Acquisition Systems, Wireless Transmitters and Receivers

• Pressure, Strain and Force

Displacement Transducers, Dynamic Measurement Force Sensors, Instrumentation for Pressure and Strain Measurements, Load Cells, Pressure Gauges, Pressure Reference Section, Pressure Switches, Pressure Transducers, Proximity Transducers, Regulators, Strain Gages, Torque Transducers, Valves

• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters