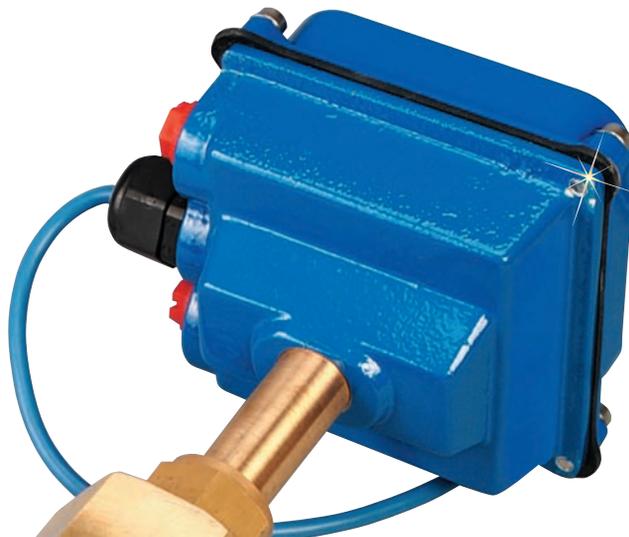


INSERTION PADDLEWHEEL FLOW SENSORS

FP6500 Series
Starts at

\$498



- ✓ Available in 316 SS or Brass
- ✓ Installs in a Wide Range of Pipe Sizes From 5 to 25 cm (2 to 48")
- ✓ Excellent Low-Flow Performance
- ✓ Special Fittings Not Required

Ruby bearings and a non-drag pick-off give these adjustable insertion flow sensors the widest flow range of any of the paddlewheel types. A Hall-effect device detects the passage of miniature magnets in the six rotor blades. The resulting square-wave signal can be sent hundreds of feet without a transmitter, over unshield cable. This signal can be connected directly to many PLCs and other controls without additional electronics.

Installation fittings are standard 1½ or 2 NPT. A depth adjustment system allows two basic sizes to cover pipe sizes from 5 to 25 cm (2 to 48").

SPECIFICATIONS

Materials

Probe Body: Brass or Type 316 SS

Rotor: Polypropylene

Shaft: Tungsten Carbide

Bearings: Ruby ring, ruby end stone, set in PVDF bearing holder

Power: 5 to 24 Vdc, 1.5 mA

Signal: Square wave, 11 Hz/fps (approx.), current sinking output, 20 mA maximum, NPN (Hall Effect)

Cable: #22 AWG 3-conductor, 6 m (18') standard; 650 m (2000') max

Accuracy: ±1.5% of full range

Range: 0.3 to 30 fps

Maximum Working Pressure: 13.8 bar (200 psi) at 24°C (75°F)

Maximum Temperature: 93°C (200°F) at 0 psig

Shipping Weight:

FP6501: 1.8 kg (4 lb)

FP6502: 2.3 kg (5 lb)

Pipe Size Range:

FP6501: 5.08 to 25 cm (2 to 10")

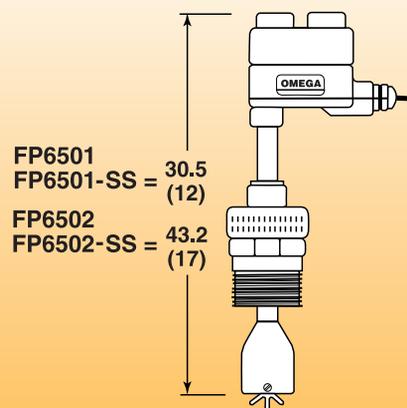
FP6502: 25 to 122 cm (10 to 48")

Fitting Size: 1½ MNPT

FP6501 Brass sensor, \$498, 1½ NPT for 316 SS and Brass, shown smaller than actual size.

Compatible Meters:
DPF700 (page M-5),
DPF70 (page M-22),
DPF10 (page M-23),
DPF11 (page M-23),
FC-21, 22 (page M-27)

Dimensions: cm (inches)



MOST POPULAR MODELS HIGHLIGHTED!

To Order (Specify Model Number)

Model No.	Price	Fitting Size	Description
FP6501	\$498	1½ NPT	Brass sensor, 5 to 25 cm (2 to 10")
FP6501-SS	625	1½ NPT	316SS sensor, 5 to 25 cm (2 to 10")
FP6502	585	1½ NPT	Brass sensor, 25 to 122 cm (10 to 48")
FP6502-SS	657	1½ NPT	316SS sensor, 25 to 122 cm (10 to 48")
FP-15827-K	103		Repair kit (bearing, assembly and rotor), PVDF
FW-0118	120		Reference Book: Flow Measurement Methods and Applications

Comes complete with operator's manual.

Ordering Examples: FP6501, 1½ NPT brass sensor for 5 to 25 cm pipe, \$498.

FP6502-SS, 1½ NPT for 25 to 122 cm pipe, 316 SS sensor, \$657.

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• 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