

# ADJUSTABLE DEPTH BRASS FLOW SENSORS

Doesn't Need Special Installation Fittings!

FP-6000 Series Starts at

**\$480**



- ✓ One Sensor for Lines 38 to 914 mm (1½ to 36")
- ✓ No Special Fitting Needed
- ✓ Low Cost

When you want it all in one flow sensor, you want the FP-6000 sensor. Accuracy...durability versatility...easy installation... low cost—the FP-6000 gives you all this.

The FP-6000 accurately measures a wide variety of fluids with flowrates as low as 1.6 feet per second up to 20 feet per second. It generates a sine-wave frequency output linearly proportional to flowrate with ±0.2 fps accuracy.

The FP-6000 is versatile, adjusting to various pipe sizes. There is no need to buy a different sensor for every change in pipe size. You can position the FP-6000 to give you accurate readings in any size pipe (1½ to 36"), permitting tremendous cost savings.

No special fittings are required. A standard 1½" threadolet or saddle fitting is all you need.

Made of rugged brass, the FP-6000 can handle harsh environments. The output signal can be sent up to 30 m (100') without amplification. Each FP-6000 sensor comes with a 7.5 m (25') cable and all necessary mounting hardware.

## SPECIFICATIONS

**Output Signal:** Sine wave, 80 mV p-p/fps

**Output Frequency:** 11 Hz/fps

**Source Impedance:** 10,000 Ω

**Flow Rate Range:** 1.6 to 20 feet per second (fps)

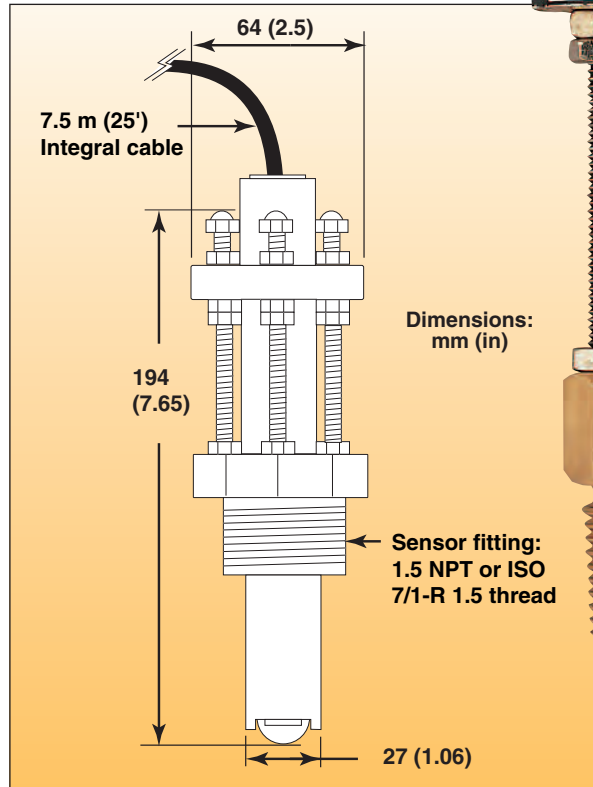
**Linearity:** ±1% of full range

**Repeatability:** ±0.5% of full range

**Maximum Operating Pressure:** 225 psi

**Maximum Operating Temperature:** 100°C (212°F)

**Max Viscosity:** 1 centipoise (water); up to 5 cp above 5 fps velocity



Dimensions: mm (in)

Sensor fitting: 1.5 NPT or ISO 7/1-R 1.5 thread

FR-6002, \$745, brass flow sensor, shown smaller than actual size.

Compatible Meters:  
DPF700 (page M-5),  
DPF70 (page M-22)  
with FLSC-AMP, FP90 (page F-31),  
FPM-5500 (page F-43),  
FPM-9020A (page F-42).

## MATERIALS Sensor

- Rotor:** CD4MCu Stainless Steel
- Rotor Shaft:** Tungsten Carbide Steel
- Transducer Body:** C 36000 Brass
- Bearing:** Carbon/graphite filled fluoroplastic (Fluoroloy B)
- Fitting Housing and Cover:** Brass
- Seal:** FKM O-Ring
- Shipping Weight:** 2.7 kg (6 lb)
- Dimensions:** From flange to rotor pin, 151 mm (5.94"), overall cable type twisted pair with foil shield
- Connection:** 1½ NPT or 1.5" ISO
- Cable Length:** 7.5 m (25')

**MOST POPULAR MODEL HIGHLIGHTED!**

To Order (Specify Model Number)		
Model No.	Price	Description
FP-6001	\$480	Adjustable brass flow sensor, 1.5" ISO thread
FP-6002	745	Adjustable brass hot-tap flow sensor, 1.5 NPT thread
FP-6003	745	Adjustable brass hot-tap flow sensor, 1.5" ISO thread
FP-3-1500-302	440	Hot-tap installation tool
FP-52509-1	52	Complete replacement 316 SS rotor/paddlewheel kit
FP-52509-2	66	Complete replacement Tungsten Carbide rotor/paddlewheel kit

Comes complete with operator's manual.  
**Ordering Examples:** FP-6001, adjustable brass paddlewheel flow sensor, 1.5 ISO thread, \$480.  
FP-6003, adjustable brass hot-tap flow sensor, 1.5" ISO thread, \$745.

Recommended Reference Book: Flow Measurement for Engineers and Scientists, MS-0918, \$240. For Additional Books Visit [omega.com/bobi](http://omega.com/bobi)



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