



PVC TEE FLOW SENSORS 228PV SERIES

DESCRIPTION

The **Badger Meter 228PV flow sensors** are designed to measure water flow in PVC pipes. These sensors consist of a removable, nonmagnetic sensor in a schedule 80 PVC tee with solvent-weld socket end connections. They are available in 1-1/2" to 4" (3.8 to 10.2 cm) sizes.



228PV



FEATURES

- **Approved for potable water**
- **Closed, six-bladed impeller design**
- **No need for recalibration after servicing or replacement**

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FLOW

SPECIFICATIONS

Accuracy	±1% of full scale
Velocity Range	0.5 to 30 fps (0.15 to 9 mps)
Repeatability	±0.3% of full scale
Linearity	±0.2% of full scale
Connection Type	Schedule 80 PVC
Wiring	20' (6.1 m), 20 AWG two-conductor shielded UL type PTLC cable, rated to 221°F (105°C), may be extended to 2000' maximum with similar cable
Pulse Rate	3.2 to 200 Hz, 5 ms ±25% width, 9-20 VDC power @ 2 mA maximum; 5V CMOS and LSTTL compatible
Media Compatibility	Hot water, chilled water (verify application is compatible with flow sensor materials of construction, check material compatibility resources prior to ordering)
Media Temperature Range	Maximum 140°F (60°C)
Maximum Pressure	100 psig (689 kPa) @ 77°F (25°C) media temperature, decreasing to 40 psig (276 kPa) @ 140°F (60°C)

Materials of Construction

PVC per ASTM D-2462 and D-2467 virgin unplasticized PVC resin, approved for potable water, PPS housing, EPDM o-ring, tungsten shaft, nylon impeller, Pennlon bearings

Dimensions

228PV1505	5.2"H x 5.0"W x 2.4"D (13.1 x 12.7 x 6.0 cm)
228PV2005	5.6"H x 5.6"W x 2.9"D (14.3 x 14.3 x 7.3 cm)
228PV3005	6.8"H x 6.5"W x 4.2"D (17.3 x 16.5 x 10.7 cm)
228PV4005	6.8"H x 7.4"W x 5.4"D (17.3 x 18.7 x 13.7 cm)

Weight

228PV1505	1.0 lb (.45 kg)
228PV2005	1.0 lb (.45 kg)
228PV3005	1.5 lb (.68 kg)
228PV4005	2.5 lb (1.1 kg)

Approvals

CE

Warranty

1 year

NOTE: This flow sensor works with either UFT-1 Series or 310 Series Transmitters.

ORDERING INFORMATION

MODEL	DESCRIPTION
228PV1505-1211	Flow sensor in 1-1/2" PVC tee, pulse output
228PV2005-1211	Flow sensor in 2" PVC tee, pulse output
228PV3005-1211	Flow sensor in 3" PVC tee, pulse output
228PV4005-1211	Flow sensor in 4" PVC tee, pulse output

RELATED PRODUCTS

UFT-1A	Universal flow transmitter, pulse and calibrated 4-20 mA output
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