

TEE-MOUNTED FLOW SENSORS 228B, 228C, 228SS

DESCRIPTION

The **Badger Meter 228B** is a **brass flow sensor** mounted in a 2" bronze tee with 2" copper solder couplings included, the **228C** is a brass flow sensor mounted in a 2" cast iron tee, and the **228SS** is a stainless steel flow sensor mounted in a 2" stainless steel tee.



228 SS-2



6

FLOW

SPECIFICATIONS

Accuracy	±1% of full scale		
Velocity Range	0.5 to 30 fps (.15 to 9.0 mps)		
Repeatability	±0.3% of full scale		
Linearity	±0.2% of full scale		
Connection Type			
228B	2" FNPT and copper solder coupling included		
228C, 228SS	2" FNPT	228C	sleeve, glass-reinforced nylon impeller, Pennlon® UHMWPE bearings, tungsten carbide shaft, glass reinforced PPS housing, and ethylene propylene EPDM o-rings (other materials available special order). Standard construction is cast iron tee (class 125 per ASME B16.4), admiralty brass UNS C44300 sleeve, glass-reinforced nylon impeller, Pennlon® UHMWPE bearings, tungsten carbide shaft, glass reinforced PPS housing, and ethylene propylene EPDM o-rings (other materials available special order).
Wiring	20' (6.1 m) 2-conductor 20 AWG shielded UL type PTLC wire, rated to 221°F (105°C). May be extended to 2000' maximum with similar cable		
Media Compatibility	Hot water, chilled water, water/glycol (verify application is compatible with flow sensor materials of construction, check material compatibility resources prior to ordering)	228SS	Standard construction is 316 stainless steel tee, 300 series SS sleeve, glass-reinforced nylon impeller, Pennlon® UHMWPE bearings, tungsten carbide shaft, glass reinforced PPS housing, and ethylene propylene EPDM o-rings (other materials available special order).
Media Temperature Range	Maximum 221°F (105°C)		
Maximum Pressure		Dimensions	8.4"H x 7.9"W x 3.0"D (21.3 x 20.0 x 7.6 cm)
228B	200 psig (1379 kPa) @ 100°F (37.8°C) media temperature	Weight	
228C	175 psig (1207 kPa) @ 100°F (37.8°C) media temperature	228B	8.8 lb (4.0 Kg)
228SS	300 psig (2758 kPa) @ 100°F (37.8°C) media temperature	228C	7.2 lb (3.3 Kg)
Materials Of Construction		228SS	12.0 lb (5.4 Kg)
228B	Standard construction is cast bronze tee (Class 125 per ASME B16.15), copper couplings, admiralty brass UNS C44300	Approvals	CE
		Warranty	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
228B-2	Brass flow sensor mounted in a 2" (5.08 cm) bronze NPT tee (copper solder couplings included)
228C-2	Brass flow sensor mounted in a 2" (5.08 cm) cast iron pipe NPT tee
228SS-2	Stainless steel flow sensor mounted in a 2" (5.08 cm) stainless steel pipe NPT tee

ACCESSORIES

230-FRK	Repair kit for 200 Series flow sensors (includes impeller, shaft, bearing, and O-ring)
813124-1211	Replacement sleeve assembly for 220B, 228B, 228BC flow sensors

RELATED PRODUCTS

310-00	Programmable analog flow transmitter
UFT-1A	Universal flow transmitter, pulse and calibrated 4-20 mA output