

DFP - PORTABLE DOPPLER FLOW METER

DFP portable doppler meter is designed to measure the volumetric flow rate of most kind of liquids into closed conduits, completely full and/or pressurized. Suitable for clamp on surfacing mounting out of pipes. The fluid to be measured must contain a minimum of air or dissolved gases or particles acoustically reflective. The instrument displays the velocity, flow rate, totalized flow and other parameters according to the configuration. Analog 4/20 mA, pulse totalizing and alarm relay outputs.

Applications

- Waste water
- Sewage treatment and waste treatment sludge
- Groundwater
- Waste paper industry
- Chemical treatments
- Drainages
- Recirculating extraction plants
- Wastewater zoological - agricultural

TECHNICAL SPECIFICATIONS

Accuracy:	from 0.5% up to 2% f.s. According to calibration
Velocity range:	from 0.05 up to 12 m/s
Measured liquids:	liquids containing 100ppm and a 20% of reflective particles of size greater than 100 microns minimum
Transmitter housing:	NEMA 4X IP65 . ABS 358X250X Height 150 mm
Power supply:	rechargeable batteries 12Vdc 14.4 Ah
Battery life:	typical 50 hours
Charger:	100...240Vdc 50/60Hz +/- 5% 5VA max
Display:	2 lines x 8 characters LCD 8 digits flow rate 8 totalized flow
Response time:	0...99 seconds (user selectable)
Output:	4/20 mA, pulse totalizing and alarm relay
Temperature:	-40...+70°C
Transducers:	clamp-on range 0.05 ... 12 m / s
Transducers temperature:	standard -40...+120°C; opt -40...+250°C
Cable length:	Standard 6 mt. option up to 300 m
Construction material:	Standard aluminum, stainless steel option
Class protection:	IP65
Tranduscers sizes:	Wz mounting (S-S belt): standard 40...4000 mm small 15...50 mm Collar mounting: type K 15 = 15...25 mm type K 20 = 20...32 mm type K 32 = 32...50 mm
Weight:	about 7 kg



Transmitter



Standard Transducer



K Type Transducer



High Temp Transducer



Stainless Steel Transducer



S-S belt



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