



DOPPLER FLOW METER

PORTABLE, NON-INTRUSIVE FLOW METER

SERIES DF

FEATURES:

- ★ Non-Intrusive
- ★ No Moving Parts
- ★ No Routine Maintenance Required
- ★ No Contact with Liquid
- ★ Not Affected by Line Pressure
- ★ Large 3.5" LCD Readout
- ★ Low Battery Indicator
- ★ Adequate Doppler Signal Indicator
- ★ Lightweight
- ★ Portable (compact and light weight)
- ★ Can Calibrate for Acoustic Velocity
- ★ O/P Jack for Remote Reading
- ★ Readout Choice (ft/sec or m/sec)
- ★ 9' (3m) Transducer Cable
- ★ Durable Polypropylene Case

GENERAL DESCRIPTION:

Measure the velocity of liquids or slurries in pipelines made of metal, plastic, or any homogeneous material.

The Series DF Doppler Flow Meter provides an easy, non-intrusive, and portable method of checking instrumentation, verification of process flow, and measurement of any liquids or slurries with entrained particulate or air.



Model: DF-R623

Technical Data

Transducer	Dual encapsulated piezoelectric ceramic discs, with 9-foot (3m) cable
Readout	Large 3.5" digit LCD display, 0.5" (12.7mm)
Range	0.5 to 19.9 ft/sec (0.1 to 10 mps)
Resolution	0.01 ft/sec or mps
Power Supply	2 non-rechargeable 9 volt dry cells included
Accuracy	+/- 2.5% of full scale with adequate doppler signal and proper bonding of transducer to pipe
Pipe Size	1" to 100" (25mm - 2500mm)
Acoustic Couplant	1 tube included
Acoustic Range	800 m/sec to 2200 m/sec velocity of sound through liquid
Doppler Level	Lamp lights when doppler signal is adequate
Resolution	ft/sec or 0.01 m/sec
Temperature Range	-20°C to +80°C (-4°F to 176°F)
Weight	1.1 lb (0.5 kg) approximate
Case Dimensions	5" x 7" x 2" (2.5cm x 17.5cm x 5cm)
Warranty	1 year from purchase