

Model 1100 Digital Velocity Indicator

Direct digital display of flow velocities from any U.S. Geological Survey Price or Pygmy type current meter.



Featuring

- ▶ Advanced CMOS circuitry plus crystal-controlled oscillator time base give accurate, reliable measurements.
- ▶ Convenient hand-held and self-contained unit takes the place of stopwatch, earphones and battery pack.
- ▶ Automatic mode displays reading in either feet or meters per second (user selectable) without computation or conversion.
- ▶ Manual mode lets you simultaneously record elapsed time and bucket-wheel revolutions for ultra precise or low-flow measurements.
- ▶ Built-in diagnostics verify proper operation of the electronics and provide warning for battery replacement.



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THE MODEL 1100

Flow Indicator contains CMOS circuitry to convert opto-electrical pulses from the meter to direct display of flow velocity.

The unit offers three user-selectable modes.

- ▶ **Automatic**, for 4-second sampling time, with readout in either feet or meters per second.
- ▶ **Automatic averaging**, with velocity averaged over a 16-second period, for especially turbulent flows.
- ▶ **Manual**, for independent measurement of both elapsed time and bucket wheel revolutions. Use a standard Price rating table to determine exact velocity from these data.



Specifications

Operating range	0 ~ 25 fps (0~ 7.6 mps)
Resolution, automatic mode	Price : 0.2 fps (0.06 mps) Pygmy : 0.1 fps (0.03 mps)
Sample time - automatic mode - averaging mode	4 seconds 16 seconds
Dimensions	7.5 x 4.0 x 1.3 inches 19.1 x 10.2 x 3.3cm
Weight, including battery	15 ounces (425 grams)
Power	One 9-volt battery, type 1604
Battery life, approx.	Lithium, 250 hours Alkaline (supplied), 100 hours Carbon-zinc, 20 hours
Circuitry	CMOS (microprocessor based)
Timing	Crystal-controlled oscillator (max. error 0.003%)



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