



FLO-MATE™ Model 2000CM

Water Current Meter

The FLO-MATE Model 2000CM is a hand held battery powered water velocity meter with digital LCD display, will indicate velocity in two selectable ranges -2.000 to $+2.000$ m/s and -20.00 to $+20.00$ m/s.

With solid state electromagnetic sensor, suitable for water, wastewater and sewage monitoring, storage/recall capability for 19 data points, adjustable time constant from 2 to 30 sec and selectable period averaging from 2 to 60 sec. Lightweight, rugged IP 67 watertight enclosure. Includes 6 meters of sensor cable, fabric carrying case and one instruction manual.

Applications

- Streams & Rivers
- Weir / Flume / Flow Meter Calibration
- Sewers
- Mining Channels
- Irrigation Channels
- Most Open Channels

Velocity measurement

- Method: Electromagnetic
- Zero Stability: ± 0.015 m/s
- Accuracy: $\pm 2\%$ of reading + zero stability
- Range: -0.15 to 2 m/s @ resolution 0.001 m/s
 -0.15 to 20 m/s @ resolution 0.01 m/s

Display

- Display: $3 \frac{1}{2}$ Digit

Signal output (optional)

- Analog: 0.1 v per m/s
- Digital: RS232

Memory

- 19 points memory

Materials

- Sensor: Polyurethane
- Cable: Polyurethane jacket
- Electronic Case: High impact molded plastic – IP67

Operation Temperature

- Sensor: 0° to 70° C
- Electronics: 0° to 50° C

Power Requirements

- Batteries: Two D cells
- Battery Life: Alkaline: 25-30 continuous ON hours
 NiCad: 10-15 continuous ON hours

Weight

- With sensor and 6 m cable: 1,6 Kg
- Without sensor: 1,1 Kg

Changes without notice

Updated: 08/11/2010 by BS