



TEC-SPEC
FLO-MATE™
Model 2000CM
Water Current Meter



Date: 05-04-2004

Rev.: 00

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FLO-MATE™
Model 2000 CM

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.

Velocity measurement

Method: Electromagnetic

Zero Stability: ± 0.015 m/s

Accuracy: $\pm 2\%$ of reading + zero stability

Range: -0.15 to 2 m/s or -0.15 to 20 m/s

Resolution: 1 mm/s or 1 cm/s depending on range selected

Outputs

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

Signal output: (optional)

Analog: 0.1 v per m/s

Digital: RS232

Materials

Sensor: Polyurethane

Cable: Polyurethane jacket

Electronic Case: High impact molded plastic – IP67

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Environmental

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 per charge

External Supply: (Optional) 120V, 1W or 220V, 1W

Weight

With sensor and 6 m cable: 2 Kg

Without sensor: 1 Kg

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