



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



Date: 05-04-2004

Rev.: 00

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FLO-MATE™  
Model 2000 CM

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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:  $\pm 0.015$  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

**FLOW-TRONIC S.A. N.V.**

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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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### 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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Method: Electromagnetic

Zero Stability:  $\pm 0.015$  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

**FLOW-TRONIC S.A. N.V.**

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Signal output: (optional)

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### Outputs

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

### Outputs

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Signal output: (optional)

Analog: 0.1v per m/s

Digital: RS232

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Electronic Case: High impact molded plastic – IP67

**FLOW-TRONIC S.A. N.V.**

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	<b>TEC-SPEC</b> <hr/> <b>FLO-MATE™</b> <b>Model 2000CM</b> <b>Water Current Meter</b>	 <hr/> Date: 05-04-2004 <hr/> Rev.: 00 <hr/> Page: Page 2 of 2
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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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### Velocity measurement

Method: Electromagnetic

Zero Stability:  $\pm 0.015$  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



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