



TCM-4

Lowell Instruments ????????

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Important Information
?? Domino for Windows® ?????????????????? TCM-4 Data Sheet



Supported Measurements

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Features

- 30 meter depth rating
- Measures water velocity for a fraction of the cost of an acoustic meter
- Operates in as little as 28 cm (11 inches) of water
- Tilt compensated compass for bearing measurements

- Simple, rugged, low maintenance design
- User replaceable lithium battery
- Battery life is more than a year with 1-minute logging
- 8 GB memory card virtually eliminates memory concerns
- Temperature sensor accurate to +/-0.1C
- USB 2.0 with standard cable and drag and drop data file offload

Contact Us

Sales (8am to 5pm ET, Monday through Friday)

- Email sales@onsetcomp.com
- Call 1-508-759-9500
- In U.S. toll free 1-800-564-4377
- Fax 1-508-759-9100

Technical Support (8am to 5pm ET, Monday through Friday)

- Contact Product Support www.onsetcomp.com/support/contact
- Call 1-508-759-9500
- In U.S. toll free 1-877-564-4377

Onset Computer Corporation
470 MacArthur Boulevard
Bourne, MA 02532

Lowell Instruments ???????? (TCM-4) Specifications

Speed (Recommended Range)

Range	0-50 cm/s
Accuracy	3 cm/s + 3% of reading
Resolution	0.1 cm/s

Speed (Maximum Range)

Range	0-75 cm/s
Accuracy	Not Specified
Resolution	0.1 cm/s

Direction

Range	0-360°
Accuracy	5° (for speed >5 cm/s)
Resolution	0.1°

Temperature

Range: -5 to 30 °C	Accuracy: 0.1 °C Resolution: <0.005 °C
Range: -20 to -5, 30 to 50°C	Accuracy: 0.2 °C Resolution: <0.01 °C

Electronics

Memory	8 GB microSDHC flash card (standard)
Communications	Full speed USB micro-B port
Battery Type	Months to years depending on recording rates
Internal Clock	< 1 minute of error per month

Operating Modes

Start and Stop	Start and Stop at user defined times
Burst Mode	Variable rate logging at user defined interval
Recording Rate	Current: 64 Hz to 1 sample per hour with typical settings of one 20 second burst @ 8 Hz per minute (12-month battery life) Temperature: 1 Hz to 1 sample per hour

Mechanical

Depth Rating	30 m (100 ft)
Dimensions	Diameter: 2.54 cm (1.00 in) Length: 25.4cm (10.0 in)
Weight	98 g (3.5 oz)
Construction	Housing: Carbon Fiber and Epoxy Laminate with PVC & PETG fittings, 316 Stainless Steel Screw and Buna and EPDM O-rings.

Software

User Interface	Domino for Windows® - Free Download
USB	USB 2.0 compliant MSC and CDC Classes
Firmware	Field upgradable via USB cable