

## 98-0200-01 Immersible Data Logger

### Features

<b>Total Reading Capacity</b>	32,000 readings
<b>Memory type</b>	Non Volatile
<b>Trigger Start</b>	Magnetic Switch
<b>Delayed Start</b>	Relative / Absolute (up to 45 days)
<b>Stop Options</b>	When full After n Readings Never (overwrite oldest data)
<b>Reading Types</b>	Actual, Min, Max
<b>Logging Interval</b>	1 sec to 10 days
<b>Offload</b>	While stopped or when logging in minutes mode
<b>Alarms</b>	2 fully programmable; latching

### Reading Specification

<b>Reading Range</b>	-30°C to +105°C (-22°F to +221°F)
<b>Sensor Type</b>	PT1000 (Integral Probe)
<b>Response Time</b>	10 seconds to 90% FSD in water
<b>Reading Resolution</b>	0.01°C or better

### Physical Specification

<b>IP Rating</b>	IP68 (waterproof) to 15m
<b>Operational Range*</b>	-30°C to +105°C (-22°F to +221°F)
<b>Case Dimensions</b>	
<b>Diameter</b>	51 mm / 2.01"
<b>Height</b>	51 mm / 2.01"
<b>Weight</b>	95g / 3.35oz

\*The Operational Range indicates the physical limits to which the unit can be exposed, these limits should not be exceeded.

### Notes

**This logger contains no user-serviceable parts and should not be opened.**

**Battery Replacement Interval**                      Annually\*

\*If deployed for long periods, the logger's battery should be replaced annually to prevent the loss of data during a recording run. If the logger is being used frequently, the battery should be changed when prompted by a low battery warning from the software.

Please send the unit back to T.M Electronics for battery replacement.

The position of the unit's trigger start switch is indicated by the

... marking on its base. The switch itself is positioned on the side of the unit, just above the base-lid join, on the edge indicated. When a magnet is held in the correct location, the status LED will light until the magnet is removed.

#### **LED Flash Patterns**

When logging, a status LED is visible through the base of the unit. The flash patterns of this indicator are as follows:

#### **Status LED Flash Pattern Indication**

1 flash every 4 seconds Logging

1 flash every 8 seconds Waiting to Log (trigger or delayed start set)

A double flash every 4 seconds Alarm limit breached