

DATA SHEET

TMELOG 1030 Data Logger - waterproof and fast response logger



Description

The TMELOG 1030 is a fully waterproof data logger with an external sensor. The data logger is ideal for use in industrial dishwashers, washer disinfectors and other harsh environments.

Suitable applications

- Dishwashers
- Food processing
- Pasteurisation

Features

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

Reading Specification

Temperature

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

Physical Specification

IP Rating	IP68 (waterproof to 15m)
Operational Range*	-30°C to +105°C (-22°F to +221°F)
Case Dimensions	
Diameter	51mm/2.01"

Height	51 mm/2.01"
Weight	95g/3.35oz

*The Operational Range indicates the physical limits to which the unit can be exposed, not the reading range over which it will record

Notes

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

Replacement Interval Annually*

*If deployed for long periods, the loggers 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 Tinytag software.

The unit should be sent back to the supplier for a replacement battery.

The position of the units 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