

## DATA SHEET

### TMELOG1210 Data Logger - WiFi Temperature



#### Description

The TMELOG1210 is a compact data logger with WiFi communication. The data logger features a mini TC socket for external temperature measurement and is compatible with TME's wide selection of thermocouple probes for various applications, including TME's TC Wall Ports.

Data is streamed wirelessly over any WiFi network. The data can be viewed on a PC using the free software or via the Cloud or App. The device will also log this data if there is a loss in connection to the network (max 30 days at 10 second sample interval).

The data logger comes supplied with a wall mounting bracket, micro USB cable for connection to PC and standard K type thermocouple probe (other thermocouple probes available upon request). The unit can also be powered permanently via the USB wall adaptor.

The software will allow for set-up, data logging and data review. Set-up features will include sensor name, °C/°F, sample rate and high/low alarms. Once configured, historic data can be viewed via the graphing tool or exported into excel.

The sensor is IEEE 802.11 bgn\* (2.4GHz) compliant, supports WEP, WPA/WPA2 encryption and enterprise networks (PEAP, TTLS, FAST).

#### Features

- Temperature data logging with supplied K type thermocouple probe and LCD display
- Supports J, K, N, T type thermocouples
- Easy to set up using the free software application
- Wirelessly stream and view data on the Cloud, App or on a PC
- View and analyse multiple sensors, including immediate graphing if historic data
- User selectable temperature scale °C/°F
- High accuracy
- User configurable high and low alarm with indicator
- Delayed alarms capability
- Min and max readings
- Low battery indicator
- WiFi connection and signal strength indicator
- Rechargeable internal lithium polymer battery
- Internal memory stores data even when WiFi is temporarily disconnected
- Rechargeable via USB port
- PC can be switched off without loss of data
- Supplied with wall bracket, micro USB lead and thermocouple probe (**USB lead for charging and firmware upgrade only**)

\*MAC Address starting 98:8B:AD:2.....only

\*\*Dependent on transmittal rate (may be less with frequent transmissions)

\*\*\*Excluding mounting bracket

<u>Specifications</u>	<u>Minimum</u>	<u>Typical</u>	<u>Maximum</u>	<u>Unit</u>
Battery Life		>6**		Months
Probe Measurement Range	K type (supplied) 0 (+32) K type -270 (-454) J type -210 (-346) T type -270 (-454)		+200 (+392) +1372 (+2501) +1200 (+2192) +400 (+752)	°C (°F)
USB Supply Voltage	4.5	5.0	5.5	Vdc
Operating Temperature Range (supplied sensor only)	-20(-4)		+60(+140)	°C (°F)
Logging Period (user configurable)	10 sec	10 min	12 hrs	
Transmission Period (user configurable)	1 min	1 hr	24 hrs	
Temperature Measurement Resolution		0.1 (0.2)		°C (°F)
Temperature Display Resolution		0.1		°C (°F)
Temperature Accuracy (base unit)		±1.5 (±3)		°C (°F)
Temperature Accuracy (K type probe supplied)		±2.5 (±4.5)		°C (°F)
IP Rating	IP40 (Bung fully inserted, not permanently powered, thermocouple connector fitted and fully inserted, device mounted vertically)			
Dimensions	82 x 70 x 23mm (3.22 x 2.75 x 0.91")***			