

TempTec 816 Data logger with min / max and alarm status

Data logger for monitoring of temperature sensitive products in refrigerators, freezers, cool rooms, incubators, etc. where manual supervision and/or alarm notification is mandatory. Available in 2 temperature ranges. Range 1: -40 +90°C and Range 2: -100 to +20°C

Data loggers are battery powered measurement instruments with memory for continuous logging of temperature / time data. Started and downloaded via USB cable to computer. Powerful software for graphing, printing or list of time/temperature readings for export into spreadsheets. .

Highly accurate

precision thermistor sensor for monitoring of critical items like vaccine, pharmaceuticals, chemicals and incubators. Sensor may be ordered in required length.

Large display

shows actual temperature. Green flashing LED shows logging in progress.

The tough casing can be wall mounted or stand upright.

Easy operation: Buttons for Min, Max and Reset

show minimum and maximum temperatures since last reset at the press of a button. Where protocol requires daily manual recordings of minimum and maximum temperatures this function is very important.



Alarm options

When the logger is started, alarm thresholds are entered as minimum and/or maximum alarms. Alarm waiting periods are chosen. The TempTec 816 has a red LED, a buzzer and 2 alarm outputs that may be used for a telephone dialer, a siren or warning lamp and connection to existing alarm system

Alarm features

In case of alarm, the TempTec 816 will continue logging, shown by a flashing green light. After the end of the waiting period the red alarm indicator will turn on, the buzzer is heard and the relay contacts will be closed. The alarm state may be temporarily muted by operators, using the MUTE button. This waiting state is indicated by a yellow LED. If the temperature has not yet returned to within the correct range after 30 minutes, the alarm will come on again. TempTec 816 also monitors the accumulated out of range time and will turn on an alarm if this adds up to more than 2 hours in any one day.

Specifications

Sensor:	Precision thermistor	
Sensor range:	T-TEC T1	-40 +90°C
Accuracy:	-40 -0°	±0.3°C
	+0 +70°	±0.2°C
	+70 to +90°	±0.3°C
Sensor range:	T-TEC T2	-100 +20°C
Accuracy:	-100 -90°	±1.0°C
	-90 to +20°	±0.8°C
Sensor length:	1.5m standard - other on request	
Alarm connections:	Internal screw terminals	

Memory:	20,100 logs
Logging intervals	user selectable 1 sec. to 6 hrs.
	10 min intervals gives 4 months' worth of data
Casing:	Polycarbonate / ABS
Size	118mmL x 88mmW x 60mmH
Weight:	400g
Battery:	AA Lithium 3.6V
Battery life:	1 year, easy to replace.