



Instrumentación Técnica Profesional

Información y contacto : Tf.: (34) 935 104 521 info@mfinstruments.com

DATA LOGGERS

EL-USB-TC

Registrador de Temperatura con sondas termopar J,K,T



Registrador de Temperatura con sondas Termopar Tipos K,J,T

Rango de medición sensores externos :

K= - 200°C/ + 1.350°C J= - 200°C / + 1.190 °C T= - 200°C / + 390° C

Memoria para registro de datos: 32.510 valores

Alarma programable

Alarma visible mediante leds rojo y verde

Batería de litio sustituible no recargable útil para 6 meses.

Se entrega con sonda Tipo K: 0 / 400°C

Type	Temperature Range °C	Temperature Range °F	Connector Coding	
			ANSI	IEC
K	-200 to +1350	-328 to +2462	Yellow	Green
J	-200 to +1190	-328 to +2174	Black	Black
T	-200 to +390	-328 to +734	Blue	Brown



Software gratuito con cada unidad. Corre con Windows 2000, XP y Vista.

Specifications	Minimum	Typical	Maximum	Unit
Probe Measurement range (K-type)	-200 (-328)		+1350 (+2462)	°C (°F)
Probe Measurement range (J-type)	-200 (-328)		+1190 (+2174)	°C (°F)
Probe Measurement range (T-type)	-200 (-328)		+390 (+734)	°C (°F)
Operating temperature range *	-10 (+14)		+40 (+104)	°C (°F)
Resolution (internal and displayed)		0.5 (1)		°C (°F)
Accuracy (logger error)		±1 (±2)**		°C (°F)
Logging rate	every 1 s		every 12 hr	-
1/2AA 3.6V Lithium Battery Life		6***		Month

* Operating temperature applies to the data logger module only. Please consult the probe manufacturer for operating temperature of thermocouple.

** Quoted accuracy is for the data logger only and excludes the thermocouple probe. Thermocouple error should also be taken into consideration.

*** Depending on sample rate, ambient temperature and use of alarm LEDs.

LED FLASHING MODES


EL-USB-TC features two LEDs, that indicate the logging, battery and alarm status:

- The first LED flashes red to indicate that the EL-USB-TC is in an alarm condition. It will flash when the logged temperature has exceeded a Low or High alarm level.
- The second LED flashes green to indicate that the EL-USB-TC is not in an alarm condition.

Hold is enabled by default, which forces the logger to continue flashing the red LED after an alarm, even when the temperature has returned to normal. This feature ensures that the user is notified that an alarm level has been exceeded, without the need to download the data from the logger.

Hold can be turned off via the control software. The red LED will then only flash whilst the logger is in an alarm condition. When the temperature returns to normal, the green LED will flash.

Additional LED modes are explained below:



○	Green single flash (10 seconds) The data logger is currently logging. No alarm.
○	Green single flash (20 seconds) The data logger is currently logging. No alarm. However, the battery is low and should be replaced before logging important data.
○	Green single flash (30 seconds) The data logger is not currently logging, but is primed to start at a later date and time (delayed start).
○	Green double flash (20 seconds) The data logger is full and has stopped logging. No alarm.
○	Red single flash (10 seconds) The data logger is currently logging. Low alarm.
○	Red single flash (20 seconds) The data logger is currently logging. Low alarm. However, the battery is low and should be replaced before logging important data.
○	Red double flash (10 seconds) The data logger is currently logging. High alarm.
○	Red double flash (20 seconds) The data logger is currently logging. High alarm. However, the battery is low and should be replaced before logging important data.
○	Red/Green single flash (20 seconds) The data logger is full and has stopped logging. Alarm (high, low or both).
○	No LEDs flash The data logger is stopped, the battery is empty or there is no battery fitted.