Excelog 6

6 Channel Handheld Temperature Data Logger with Touch Screen

- 4 x thermocouple inputs and 2 x RTD inputs
- Display and log all 6 channels simultaneously or individually
- Data logging to SD Card, or PC via USB interface
- Powered by built-in battery, USB or mains adapter (included)
- Touch screen with backlight
- Built-in stand
- Free software available
- Modbus interface for integration into third-party software
- 2-channel scrolling temperature chart
- Alarm indication for each channel
- CE Marked and RoHS 2 Compliant

GENERAL SPECIFICATIONS

Inputs	4 x thermocouple inputs (any of the below types), for use with miniature thermocouple connectors, plus 2 x RTD inputs, spring clamp, for 2-wire or 3-wire RTDs, 28 to 16 AWG

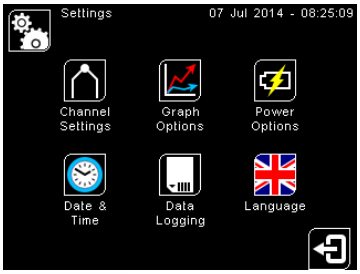
Input Type	Temperature Range	Accuracy of Excelog only (whichever is greater)
Thermocouples:		
Type J	-200°C to 1200°C	± 0.1% or 0.8°C
Type K	-200°C to 1372°C	± 0.1% or 0.8°C
Type T	-200°C to 400°C	± 0.1% or 0.8°C
Type R	0°C to 1768°C	± 0.1% or 0.8°C
Type S	0°C to 1768°C	± 0.1% or 0.8°C
Type N	0°C to 1300°C	± 0.1% or 0.8°C
Type E	-200°C to 1000°C	± 0.1% or 0.8°C
RTDs:		
Pt100, Pt200, Pt500, Pt1000	-200°C to 850°C	± 1.0% or 1.0°C

Temperature Resolution	0.1° for temperatures below 1000° (C or F) 1° for temperatures above 1000° (C or F)
Display	2.83" (72 mm) resistive touch TFT, 320 x 240 pixels, backlit
Configurable Parameters	Temperature units, alarms, signal processing, date and time, data logging, power options, graph channels
Temperature Units	°F or °C
Alarm Configuration	12 x visual alarms (2 per channel) with adjustable level, individually configurable as HI or LO.
Signal Processing	Average, minimum, maximum, standard deviation, temperature difference between 2 channels
Display Response Time	1 s
Operating Temperature	0 to 50°C
Power Supply	Built-in rechargeable Li-ion battery, or USB, or 5 V DC mains adapter (included)
Battery Life (typical)	32 hours while logging with full display brightness Up to 96 hours while logging in power saving mode
Charge Time	6 hours (with supplied mains adapter)
Weight	200 g without thermocouples
Dimensions	136(w) x 71(h) x 32(d) mm, without thermocouples

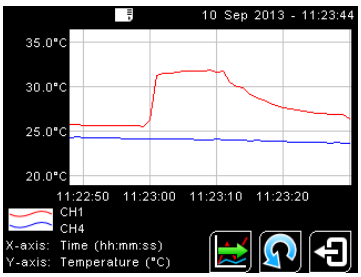
DATA LOGGING SPECIFICATIONS

Data Logging Interval	1 to 86,400 seconds (1 day)
Max. SD Card Capacity	32 GB SD or SDHC (4 GB SD Card included - approx 2 years of data)
Variables Logged	Measured temperature, cold junction temperature, alarm events
File Format	.csv (can be imported to Excel)
Configurable Parameters	Sample period, number of samples, scheduled start date/time (or manual start/stop)

INTERFACE



- Intuitive touch screen interface
- English, Spanish, French, German, Italian and Chinese languages
- Fully configurable; no additional hardware is required for configuration
- Each channel is configurable separately for input type, maths, alarms and display options
- Firmware updates via USB



Temperature Graph
Two selectable channels are displayed.
Scroll back in time to view chart history.

MODEL NUMBERS

EXCELOG-6	6-channel data logger with 4 GB SD Card, USB cable and 5 V DC mains adapter

ACCESSORIES

ELMAU	Spare mains adapter Spare 4
ELSD	GB SD Card Calibration
ELCALCERT	certificate, UKAS traceable