

Excellog 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 Excellog 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
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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

Temperatures update every 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

Dimensions

136(w) x 71(h) x 32(d) mm

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

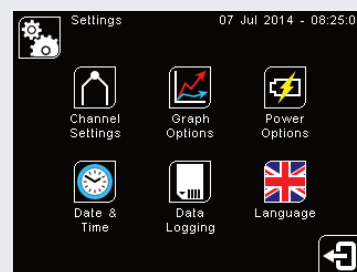
File Format

.csv (can be imported to Excel)

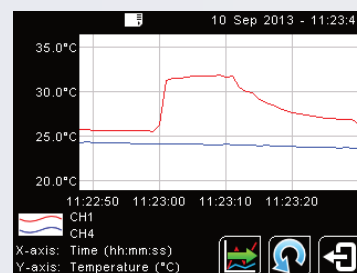
Configurable Parameters

Sample period, number of samples, scheduled start date/time (or manual start/stop)

INTERFACE



- Intuitive touch screen interface
- English, Spanish, French, German, Italian, Chinese and Japanese 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
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ACCESSORIES

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

For pricing or any further information, please contact Omni Instruments Ltd.

Contact Details:

Tel: +44 1382 443000
Email: info@omni.uk.com

Website: www.omniinstruments.co.uk

Mailing Address: Unit 1, 14 Nobel Road,
Wester Gourdie Industrial Estate,
Dundee, DD2 4UH.