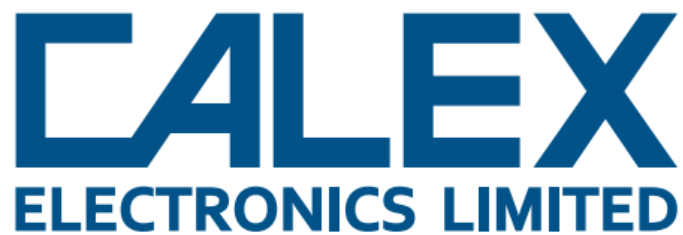




CALEX Excelog 6 6-Channel Temperature Data Logger with Touch Screen User Guide

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Excelog 6
6-channel temperature data logger
with touch screen



Operator's Guide

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Specifications

Inputs

4 x thermocouple inputs (any of the following 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 |
| Type J | -200°C to 1200°C |
| Type K | -200°C to 1372°C |
| Type T | -200°C to 400°C |
| Type R | 0°C to 1768°C |
| Type S | 0°C to 1768°C |
| Type N | 0°C to 1300°C |
| Type E | -200°C to 1000°C |
| Pt100, Pt200, Pt500, Pt1000 | -200°C to 850°C |

GeneralSpecifications

| | |
|-------------------------|--|
| 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, d |
| Temperature Units | °F or °C |

| | |
|------------------------|--|
| Alarm Configuration | 12 x visual alarms (2 per channel) with adjustable level, individual HI or LO. |
| Signal Processing | Average, minimum, maximum, standard deviation, 2-channel display |
| Display Response Time | 1 s |
| Operating Temperature | 0 to 50°C (0 to 40°C for battery charging) |
| Power Supply | Built-in rechargeable Li-ion battery, or USB, or 5 V DC mains adapter |
| 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 (using mains adapter) |
| Weight | 200 g without thermocouples |
| Dimensions | 136(w) x 71(h) x 32(d) mm, without thermocouples |

DataLogging Specifications

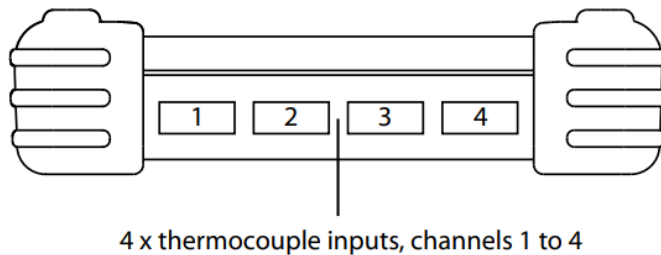
| | |
|-------------------------|--|
| Data Logging Interval | 1 to 86,400 seconds (1 day) |
| Max. SD Card Capacity | 32 GB SD or SDHC (4 GB SD Card included – approx 2 years) |
| Variables Logged | Measured temperature, cold junction temperature, alarm event |
| File Format | .csv (can be imported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

PC interface

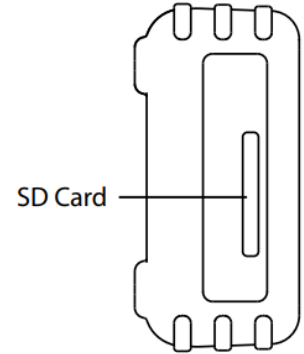
| | |
|------------------------|---|
| Windows Software | Free download from www.calex.co.uk/software |
| Communication protocol | Modbus (address table available separately) |

Dimensions (mm)

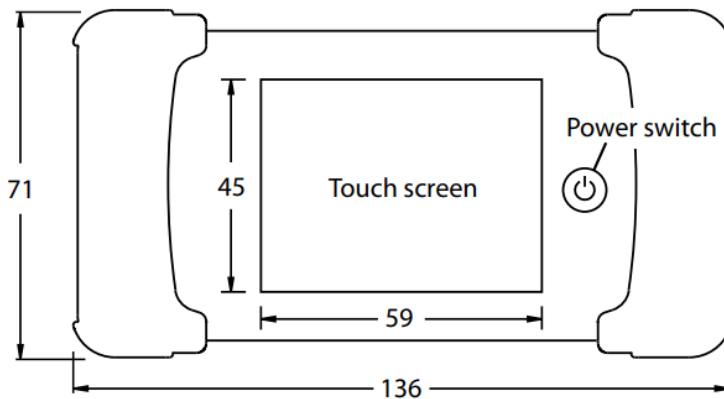
Top



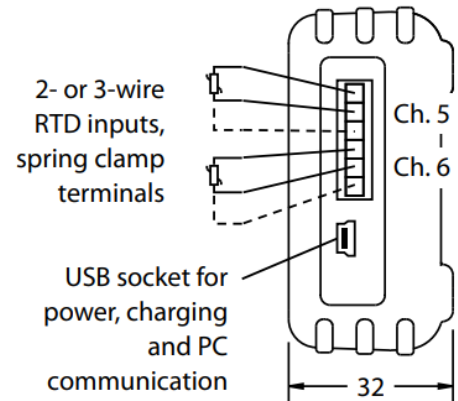
Left



Front




Right



Warning

This device has an internal, non-removable, rechargeable Lithium-Ion Polymer battery. Do not attempt to remove or replace the battery as this could cause damage and will invalidate the warranty. Do not attempt to charge the battery in ambient temperatures outside of the range 0°C to 40°C (32°F to 104°F). Do not dispose of batteries in a fire as they may explode. Dispose of batteries according to local regulations. Do not dispose of as household waste. Improper use or use of unapproved chargers may present a risk of fire, explosion, or other hazards, and will invalidate the warranty. Never use a damaged charger. Only use the charger indoors.

Refer to this instruction sheet when the warning symbol () is encountered.

To avoid the possibility of electric shock or personal injury:

- Before using the thermometer, inspect the case. Do not use the thermometer if it appears damaged. Look for cracks or missing plastic;
- Do not apply a voltage between any terminal and earth ground while the USB is connected;
- To prevent damage, do not apply more than 1V between any two input terminals;
- Do not use the instrument around explosive gas, vapor, or dust.

Model Numbers

EXCEL-6

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

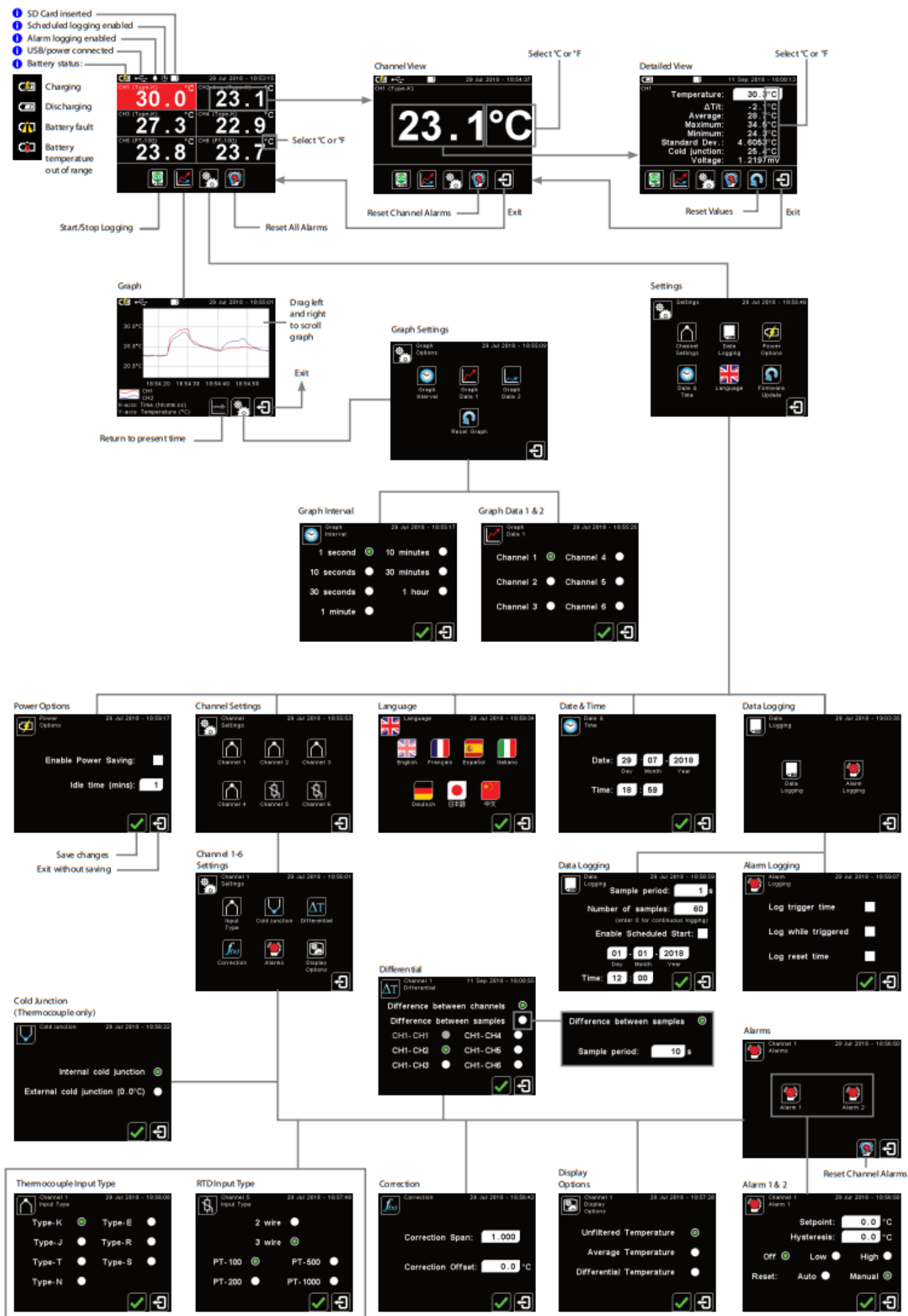
Accessories

| | |
|-------|-------------------------|
| ELMAU | Spare USB mains adapter |
| ELSE | Spare 4 GB SD Card |

Guarantee

Calex guarantees each instrument to be free from defects in material and workmanship under normal use and service for the period of one year from the date of purchase. This guarantee extends only to the original buyer.

Excel 6 Touch Screen Interface



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