

# L200 TEMPERATURE MONITOR

## Getting Started

The L200 Temperature Monitor is an 8 channel digital, thermocouple or Pt100 thermometer with manual channel selection or automatic scanning of all channels. It can be used as a 'stand-alone' instrument without a PC or it can be used with a PC via its own software which is supplied as standard.

1. Plug the output lead from the Supply Adaptor into the 'DC 6V' port on the rear panel and connect to the AC supply (110 to 240V). The display will illuminate without the need to switch on. The display will indicate a channel number and the corresponding temperature reading in degrees C (or F if selected via the PC).



L200-TC



L200-PT

2. Connect up to 8 thermocouple or Pt100 sensors to the required inputs. Simply ignore any inputs not required.
3. For communication with a PC (optional), load the PC software supplied. Then connect the USB cable supplied between the PC USB port and the L200 USB port.
4. Manually select the required channel(s) to take readings by pressing the red key sequentially, confirmed by a 'beep'; holding the key for 3 seconds for a longer 'beep' selects automatic scanning of all channels. The scrolling continues indefinitely or until a new command is made. Note: any unused inputs will display as a high temperature reading as will a broken sensor (upscale burnout feature).



5. On-board logging can be started without the need for connection to a PC; press the front panel key just before connecting power to the instrument and keep it pressed for a few seconds after power-up until 'logging' appears on the display. Logging commences and up to 512 sets of 8 channel readings can be stored. The logging interval be whatever value was last selected via the PC software. Logging will cease when the instrument is powered-down or when 'off' is selected from the PC with communications established. Stored data can be downloaded to file (in .csv format) on the PC by clicking 'download' in the system configuration window.
6. The L200 can be controlled from the PC software which also allows the setting up of scanning functions, configuration and calibration.
7. After the instrument is powered down, the selected function will resume on power-up.