

L60+ Welder & Bench Top Instrumentation

A selection of Bench top instruments, some which work in conjunction with a PC, that can provide accurate monitoring of your application & the Labfacility L60 Thermocouple/Fine Wire Welder

L60 Thermocouple & Fine Wire Welder

XE-6101-001



RoHS



The Thermocouple Welder, manufactured by Labfacility, is a compact, simple-to-use instrument designed for thermocouple and fine wire welding.

It is primarily designed for use by sensor manufacturers to produce commercial grade thermocouple junctions; it is ideal for producing large numbers of exposed junction thermocouples for test and development laboratories. The L60 Thermocouple Welder is ideally suited to transducer and RTD extension lead attachment.

Simple to use Thermocouple Welder / Designed for the production of commercial grade thermocouple junctions / Also suitable for other fine wire work / Front panel or footswitch operation / Argon gas shield facility / Supplied with accessories

L60 Thermocouple Welder Accessories

Various XE Numbers



Thermocouple welder accessories available:

- Wire Holding Pliers & Lead
- Safety Glasses
- Carbon Electrodes
- Footswitch for greater ease of use

Tempmaster PRO Precision Thermometer

XE-6000-001



The Tempmaster PRO provides precise Platinum Resistance Thermometer temperature measurement and logging for exacting applications in both laboratory and site locations. It is an exceptionally accurate and stable digital thermometer particularly suitable for use with thermal calibration baths as a reference standard.



Reference standard thermometer for Pt100 sensors / High accuracy $\pm 0.01^{\circ}\text{C}$ Pt100 / 40 milliKelvin (0.040°C) system accuracy / Precise linearisation conformity is realised by a hybrid maths polynomial technique / Simple, fast digital matching to calibrated sensors, up to 10 points per channel retained in memory / Additional digital matching to Pt100 sensors using custom constants / Clear, comprehensive user information on alpha numeric display / Resolution 0.01°C for Pt100 inputs / Smart sensor capability Pt100 for corrections stored on probe / Data logging / Wide temperature range / Readout directly in $^{\circ}\text{C}$, $^{\circ}\text{F}$, K, Ω / Input circuitry configured to eliminate thermal voltages / Two sensor input ports / Channel A, B or A-B reading / USB serial communications / USB flash drive port / Highly precise linearisation tracking / Excellent long term stability / Supplied with PC software / Programmable analogue (retransmission) output / Front panel data entry and function keys / Our own design and manufacture / Rechargeable Lithium Ion battery / mains powered

Labcal PRO Precision Thermometer

XE-6015-001



The Labcal PRO is a highly accurate, portable digital thermometer / logger for metrology and other exacting laboratory and industrial applications. The Labcal PRO is particularly suitable as a reference measurement standard for thermal calibration baths in pharmaceutical, medical, food, environmental testing, R&D and general industrial applications.



Reference standard thermometer for Pt100 and thermocouple sensors / High accuracy $\pm 0.01^{\circ}\text{C}$ Pt100, $\pm 0.18^{\circ}\text{C}$ thermocouple / 25 milliKelvin (0.025°C) system accuracy with Pt100 / Precise linearisation conformity is realised by a hybrid maths polynomial technique / Simple, fast digital matching to calibrated sensors, up to 10 points per channel retained in memory / Additional digital matching to Pt100 sensors using custom constants / Clear, comprehensive user information on alpha numeric display / User selectable resolution, $0.001/0.01^{\circ}\text{C}$ for Pt100 inputs / Smart sensor capability Pt100 for corrections stored on probe / Data logging / Wide temperature ranges / Measures Pt100 and thermocouples J, K, T, E, R, S, B and N / Readout directly in $^{\circ}\text{C}$, $^{\circ}\text{F}$, K, Ω or mV / Exceptional automatic CJC performance, 100:1 rejection / Input circuitry configured to eliminate thermal voltages / External and manual CJ function / Four sensor input ports / Channel A, B or A-B reading including dissimilar sensor types / USB serial communications / USB flash drive port / Excellent long term stability / Supplied with PC software / Programmable analogue (retransmission) output / Front panel data entry and function keys / Our own design and manufacture / Rechargeable Lithium Ion battery / mains powered



L200-TC Temperature Monitor

XE-6030-001



The Labfacility L200 TC thermocouple thermometers (Temperature Logger) can be used in conjunction with a PC to provide accurate, versatile 8 channel thermocouple temperature measurement, scanning and logging of measured values. It can also be used as a stand alone indicator/logger and incorporates a digital display of measured temperature.



Low cost – high performance / USB PC interface / 8 thermocouple (type J,K,T,E,N,R,S & B) inputs / Built-in display for selected channel or all channels auto-scrolling / Resolution 0.1°C on L200 display, 0.01°C in software / Self-calibration feature / Select °C or °F / PC software included for remote control and measure, logging and calibration / Simple operation / CE marked / RoHS compliant / 2 year warranty

Applications

Food preparation / Storage facilities / Technical educational establishments / Environmental / R&D / Heating & ventilation setup / Building & energy management / Instrumentation laboratories / Experimentation / Refrigeration/freezer plant monitoring / Museums and Galleries

L200-PT Temperature Monitor

XE-6040-001



The Labfacility L200 PT Temperature Logger can be used in conjunction with a PC to provide accurate, versatile 8 channel Pt100 temperature measurement, scanning and logging of measured values. It can also be used as a stand alone indicator/logger and incorporates a digital display of measured temperature.



Low cost – high performance / USB PC interface / 8 Pt100 (3 wire) inputs / Built-in display for selected channel or all channels auto-scrolling / Resolution 0.1°C on L200 display, 0.01°C in software / Self-calibration feature / Select °C or °F / PC software included for remote control and measure, logging and calibration / Simple operation / CE marked / RoHS compliant / 2 year warranty

Applications

Food preparation / Storage facilities / Technical educational establishments / Environmental / R&D / Heating & ventilation setup / Building & energy management / Instrumentation laboratories / Experimentation / Refrigeration/freezer plant monitoring / Museums and Galleries



L300-TC 8 Zone Temperature Alarm / Controller

XE-6031-001



The Labfacility L300-TC (Thermocouple) temperature alarm / on-off controller can be used in conjunction with a PC to provide accurate monitoring and alarm or on-off control of up to 8- zones simultaneously. It can also be used as a stand-alone instrument without the need for a PC.



Low cost – high performance / USB PC interface / 8 thermocouple (type J,K,T,E,N,R,S& B) inputs / Built-in display for selected channel or all channels auto-scrolling / Resolution 0.1°C on L200 display, 0.01°C in software / Self-calibration feature / Select °C or °F / PC software included for remote control measure, logging and calibration / 8 x configurable change-over relays 10A/250V / Simple operation / CE marked / RoHS compliant / 2 year warranty

Applications

Food preparation / Storage facilities / Technical educational establishments / Environmental / R&D / Heating & ventilation setup / Building & energy management / Instrumentation laboratories / Experimentation / Refrigeration/freezer plant monitoring / Museums and Galleries

L300-PT 8 Zone Temperature Alarm / Controller

XE-6041-001



The Labfacility L300 Pt100 temperature alarm / on-off controller can be used in conjunction with a PC to provide accurate monitoring and alarm or on-off control of up to 8- zones simultaneously. It can also be used as a stand-alone instrument without the need for a PC.



Low cost – high performance / USB PC interface / 8 Pt100 (3 wire) inputs / Built-in display for selected channel or all channels auto-scrolling / Resolution 0.1°C on L200 display, 0.01°C in software / Self-calibration feature / Select °C or °F / PC software included for remote control measure, logging and calibration / 8 x configurable change-over relays 10A/250V / Simple operation / CE marked / RoHS compliant / 2 year warranty

Applications

Food preparation / Storage facilities / Technical educational establishments / Environmental / R&D / Heating & ventilation setup / Building & energy management / Instrumentation laboratories / Experimentation / Refrigeration/freezer plant monitoring / Museums and Galleries