

Arc Welding Data-Logger and Monitoring System

ALX II PORTABLE



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The most advanced welding data logging system available. The portable ALX II is a go-anywhere battery powered unit capable of monitoring all types of arc welding in the workshop or at a remote location. Each of the high capacity rechargeable NiMH battery packs power the ALX II for up to three hours of weld monitoring.

Facilities to monitor all the main arc welding parameters makes the portable ALX II the most user friendly and versatile welding data logger and reporting system available today.

Using the standard software package, the unit will monitor voltage, current, wire feed speed, travel speed, gas flow and temperature, producing average figures for all parameters plus automatic heat input and energy calculations.

Switch to the optional pulse mode and it has the capacity to monitor complex welding waveforms with absolute accuracy producing high quality reports plus the analysis facility to measure peak and background values of voltage and current.

The onboard printer produces a hard copy print right at the welding location which, combined with the unit's reporting software package, gives the welding engineer / QC engineer the facility to produce instant weld reports and specifications, right at the point of welding.

The ALX II can be used on all popular arc welding processes and is protected against damage from the high frequency / high voltage start systems used on many tig welding power sources.

The ALX II and all the accessories are supplied in a single rugged protection case, which can be shipped all over the world by road, sea or air transportation.

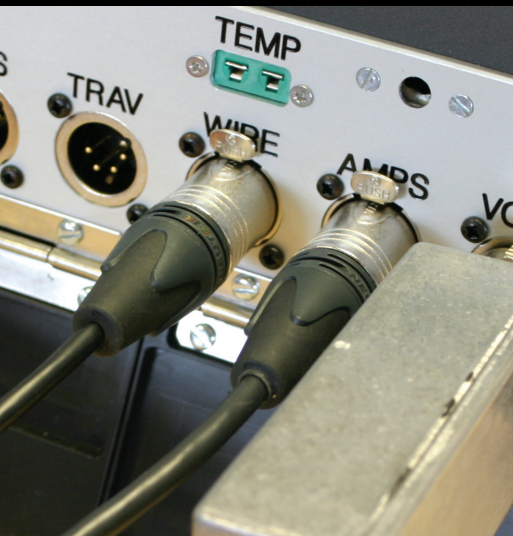
- Battery or mains powered.
- Up to three hours from a single NiMH battery pack.
- Non intrusive probes.
- Monitors voltage and current as standard.
- Options for wire feed, gas flow, travel speed and temperature measurement.
- Optional pulse monitoring and analysis software package.
- Complete WPS programmable from root to cap.
- TIG H.F. protected.
- Intelligent battery charger.
- Network connection and USB ports.

> Available as a portable unit for operation in remote locations, or as a multi-channel workstation, the ALX II can fulfil all welding data logging requirements.

The portable system can deliver up to 3 hours of monitoring time from each of the rechargeable external battery packs. The mains powered ALX II workstation can offer continuous monitoring in a production environment for up to 4 welding heads from a single unit. The advanced software and electronics on the ALX II also allows the monitoring, capture and analysis of pulsed welding processes.

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General Unit

Applications:	MMA/MIG/TIG(AC/DC) Subarc / Fluxcore
Techniques:	Manual/Semi or Fully Automatic/Robotic
Dimensions:	Width - 42.5cm, Height - 22cm, Depth - 33cm
Weight:	14.5 kg
Battery:	NiMhd Re Chargeable
Battery Charger:	External 90 to 260 vac- 3 hour Re charge
Temp Range:	0 to 45°C
Printer:	40 Character Internal Dot Matrix - print rates user selectable
Screen:	12" Full Colour TFT
Keyboard/Mouse:	IP 65 Full size 65 Key with trackball
Memory:	160Gb
Connectivity:	2 x USB and 1 x Ethernet

Monitored Parameters

Parameter:	Accuracy
Average Current:	15-1999A \pm 2% fsd
Average Voltage:	0-99.9V \pm 1% fsd
Arc Energy:	1-9999kJ \pm 2% fsd
Arc Time:	0.3-9999 secs \pm 0.1% fsd
Heat Input:	1-9999J/mm \pm 2% fsd
Wire Speed:	0-20.0m/min \pm 2% fsd
Wire Consumed:	0-999m \pm 2.5% fsd
Traverse Speed:	0-999cm/min \pm 1% fsd
Temperature:	0-1000°C \pm 1% of reading
Gas Flow:	0-120 lt/min \pm 5.0% fsd

2 auxiliary inputs are available and can be configured to any input signal.

The Validation Centre (TVC) Ltd reserves the right to alter or change product specification without prior notice.



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