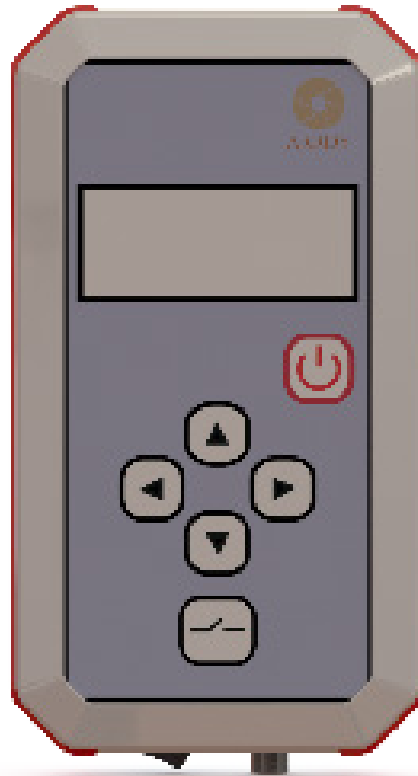


# Checker



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L-Checkr is a lance and instrument calibration field device for checking and calibrating temperature and oxygen data acquisition systems in metallurgical plants. The device is a 2 channel unit which outputs precision mV values based on the thermocouple and temperature selected and also outputs a fixed mV in the range -200mV to +200mV. The device encompasses a precision 2 channel sigma-delta 16 bit DAC which gives out a differential output mV. The device also has an onboard 12 bit thermistor for measuring the cold junction temperature for the CjC correction in thermocouple values.

The device comes in a rugged flame proof ABS UL-94V-O case with elastic TPE sidegrips for added ergonomics. The output connector is a 4 pole quarter turn lock connector with gold contacts for added reliability. Power comes via 4x1.2V NiMh rechargeable batteries lodged in the battery compartment. The unit can also be powered by standard AA batteries.

The device offers a host of user configurable features like step or curve temperature and EMF outputs, output delay and timeout, calibration or check mode, thermocouple type selection, CjC on/off, EMF channel on/off, etc. The transreflective LCD offers the best in class display in ambient and moderately low light levels. The display does not have a backlight which greatly extends battery life and display reliability.

Output cables for different applications such as lance check/calibration, Actose<sup>®</sup> instrument calibration, Sublance check/calibration, are available on request.



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### Technical Information

Battery Voltage	Max.: 6V Min.: 4V
Thermocouple Types	S, R and B
Thermocouple Channel Resolution	1 °C
mV Range	Max.: +200mV Min.: -200mV
mv Channel Resolution	1mV
Ingress Protection	IP65

### Mechanical Specifications

Weight	250gm
Display	Transreflective LCD. Viewing area : 65mm x 23mm
Input	Membrane Keypad
Operating Temperature	-25 °C to 85 °C
Battery	4x 1.2V rechargeable NiMh
Output Contacts	4 Pole gold plated contacts; quarter turn locking
Output Cable	Configurable according to thermocouple type and length
Dimensions	171mm x 95mm x 33mm

For more details, please contact



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