



LOOP CALIBRATOR



- 4-20mA (1k Ω Load, 24V Loop Output).
- 0-20mA and 0-24mA output ranges.
- 0.025% low deviation.
- Auto Ramp and Step functions.
- 0-100% output with percentage step option.
- 0-24V DC voltage source.
- Open loop and overload buzzer alarm.
- Low battery indication.

Designed for professional engineers and technicians in the process control industry, the 6500 LC can calibrate, measure, and troubleshoot all the signals present within a standard 4 to 20 milliamp process control loop. This is an essential tool for control loop setup, instrument testing, and maintenance.



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FEATURES

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- 0-24V DC voltage source.
- Open loop and overload buzzer alarm.
- Low battery indication.

SPECIFICATIONS (All at 25° C ±5°, ≤80% R.H.)

DC CURRENT (1kΩ Max Load, 24v Loop Supply)

RANGE	RESOLUTION	ACCURACY
4-20mA	1uA	±0.025%±10uA
0-20mA	1uA	±0.025%±5uA
0-24mA	1uA	±0.025%±5uA

Beeper warning when output circuit is open and specified output voltage > 24V.

DC VOLTAGE (Approx. 10MΩ load)

RANGE	RESOLUTION	ACCURACY
4-20V	1mV	±0.05%±10mV
0-20V	1mV	±0.05%±5mV
0-24V	1mV	±0.05%±5mV

Beeper warning when voltage is short and specified output current is > 24mA.

GENERAL

Power Consumption	150mA at 24V 1kΩ load
Operating Temperature	0° C - 50° C
Operating Humidity	≤80% R.H.
Storage Temperature	-10° C - 60° C
Storage Humidity	≤85% R.H.
Power Source	9V x 1 alkaline battery
Dimensions	160 (L) x 100 (W) x 38 (D) mm
Weight	Approx. 350g (battery included)
Accessories	DC adapter, test leads, carry case, battery, instruction manual