

MILLIAMP LOOP CALIBRATORS

CL530 Series

Starts at
\$725



Standard

- ✓ Sources, Measures, Simulates, and Reads All 4 to 20 mA Process Loop Functions
- ✓ Large, High-Contrast Display with Bar Graph
- ✓ Checks 4 and 20 mA Span Limits
- ✓ One-Handed Operation
- ✓ Automatic Stepping and Ramping
- ✓ Hart® Compatible
- ✓ Displays mA or %
- ✓ 0.012% Rdg Accuracy
- ✓ Rugged Carrying Case

The CL530 builds on OMEGA's 30 years of calibration experience. The user can check, calibrate, and troubleshoot 4 to 20 mA process control loops with this easy-to-use instrument.

The CL532 has all the features of the CL530, plus it will read up to 30 Vdc and source up to 24 Vdc.

SPECIFICATIONS

Accuracy: $\pm 0.012\%$ rdg + 0.004 mA

Temperature Effect: ± 50 ppm/ $^{\circ}$ C

Operating Temperature Range: -20 to 60 $^{\circ}$ C (-5 to 140 $^{\circ}$ F)

Storage Temperature Range: -30 to 60 $^{\circ}$ C (-22 to 140 $^{\circ}$ F)

Relative Humidity Range: 10% \leq RH \leq 90% [0 to 35 $^{\circ}$ C (32 to 95 $^{\circ}$ F)], non-condensing; 10% \leq RH \leq 70% [35 to 60 $^{\circ}$ C (95 to 140 $^{\circ}$ F)], non-condensing

Overvoltage Protection: 120 Vrms for 30 seconds, 240 Vrms for 15 seconds

Overload Protection: 24 mA nominal

Battery: 9V, alkaline (included)



OMEGACARESM extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARESM covers parts, labor and equivalent loaners.

Battery Life:

Source Mode: ≥ 18 hours at 12 mA (Hart® disabled)

Power Measure: 10 hours, read, 2 W limit sim.

Read Vdc: > 40 hours

Loop Drive Ability: 1200 Ω at 20 mA for life of battery

Loop Burden: < 2 V at 20 mA

Loop Supply Limits (2 W Limit Sim.): 2 to 60 Vdc

Connection: Alligator test leads attached, 610 mm (24") long

Dimensions: 84 W x 180 H x 56 mm D (3.3 x 7.1 x 2.2")

Weight: 326 g (11.5 oz)

Source Current: Source 0 to 24 mA or -25 to 125% into $\leq 1200 \Omega$; a flashing HIGH Ω indicator appears if improperly connected

2-Wire Transmitter Simulate:

Adjust loop current from 0 to 24 mA or -25 to 125% when powered by an external supply; LOW SUPPLY flashes to indicate a misconnection

Power Measure: Power the loop and read 0 to 24 mA or -25 to 125%; CURRENT LIMITED flashes at > 24 mA, protecting devices in the loop

Read Current: Read 0 to 24 mA or -25 to 125%; CURRENT LIMITED flashes at > 24 mA, protecting devices in the loop

Read DC Voltage: Read 0 to 60 Vdc with 2x overrange ability and flashing OVERRANGE indicator

CL530, \$725, shown smaller than actual size. Test leads, wrist strap and 9V battery included.



EZ-Check Switch: Gives instant access to 4 and 20 mA or other user-set span limits; in read modes, the EZ-Check switch provides a max/min log of reading

EZ-Step Button: Allows one-handed stepping up and down the span in 6 different step sizes

EZ-Dial Knob: Adjusts output by 0.001 mA (0.01%); push and turn for 100x faster adjustment—by 0.100 mA (1.00%)

AVAILABLE FOR FAST DELIVERY!

To Order (Specify Model Number)

MODEL NO.	PRICE	DESCRIPTION
CL530	\$725	Milliamp loop calibrator
CL532	1295	Milliamp/voltage calibrator

ACCESSORIES

MODEL NO.	PRICE	DESCRIPTION
CL530-ADAPTOR	\$50	110 AC adaptor
CL530-ADAPTOR-220	50	220 AC adaptor
SC-530	65	Rugged carrying case

The CL530 and CL532 comes complete with test leads, operator's manual, 9V alkaline battery and NIST calibration certificate.

Ordering Example: CL530, milliamp loop calibrator, \$725. OCV-2, OMEGACARESM extends standard 3-year warranty to a total of 5 years, \$130, \$725 + 130 = \$855.



UNITED STATES

www.omega.com
1-800-TC-OMEGA
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CANADA

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• pH and Conductivity

Conductivity Instrumentation, Dissolved Oxygen Instrumentation, Environmental Instrumentation, pH Electrodes and Instruments, Water and Soil Analysis Instrumentation

• Data Acquisition

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• Pressure, Strain and Force

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters