

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/ $^{\circ}\text{C}$

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

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

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

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

Overload Protection: 24 mA nominal

Battery: 9V, alkaline (included)

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: $< 2\text{V}$ 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

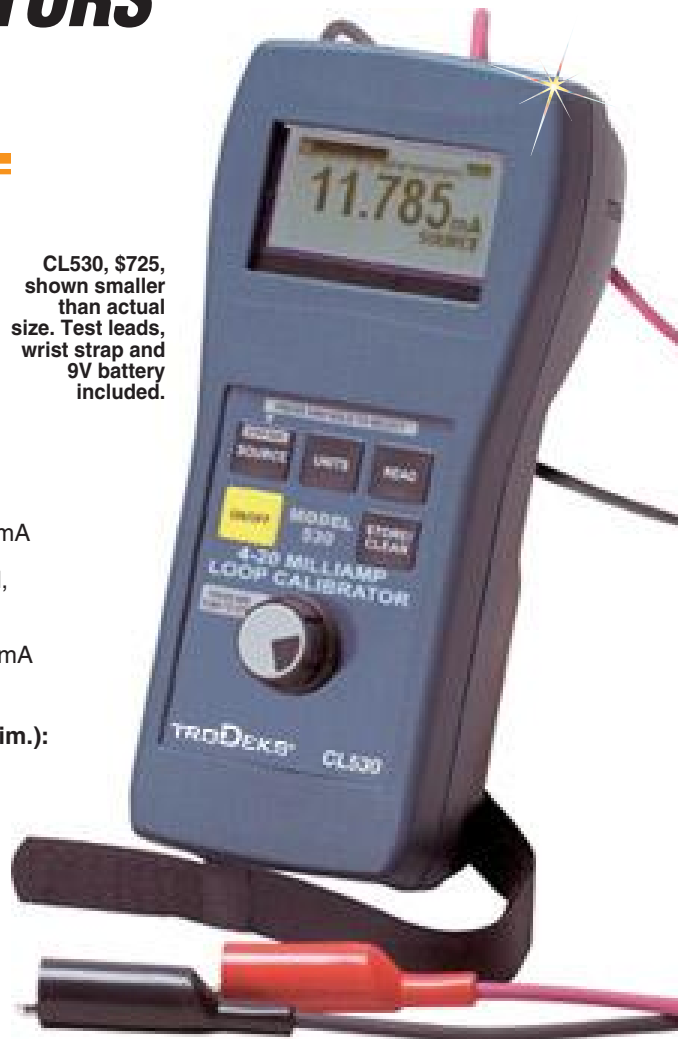
2-Wire Transmitter Simulate:

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.