



Loop Calibrator

Loopcal-Series



Application

Ideal for calibrating indicators, controllers, transmitters, receivers, switch test, and mA /V/ mV measuring instruments.

Features

- Graphical Display
- 24 V Loop supply with mA measure, including 250 Ω HART resistor
- Measure loop current (0 mA to 20 mA, 4 mA to 20 mA)
- Switch test facility
- Simulation and Measurement of mV /V/ mA
- Dual display for source and measure
- % Setup Increase & Decrease – Customizable
- PC interface integrated with R&D Calibration Management Software
- Feather Touch Key Pad

Current Terminal Input

Protection	: Short circuit protection (30mA)
Backlight	: LED backlight
Power supply	: 6 x AAA Battery
Low Battery Indicator	: Yes
Battery backup	: 40 hours @ no load condition
Loop power supply	: 24V \pm 10%
Switch test	: 3.3V
Operating Temperature	: 0 to 60°C
Instrument Casing	: ABS Plastic
Instrument Dimensions	: 155 mm x 110 mm x 35 mm (LxWxD)
Instrument Weight	: 400 g

Safety Standards: IEC 61000-4-2: Testing and measurement techniques – Electrostatic discharge immunity test.
IEC 61000-4-3: Testing and measurement techniques – Radiated, radio-frequency, electromagnetic field immunity test



Specification

Measure and source mode:

Model	mA	V	Resolution	Accuracy
LOOPCAL-1	0 to 25 mA	0 to 30 V	0.001	\pm 0.015% of Reading + 2digit
LCAL-05+	0 to 24 mA	0 to 30 V	0.01	\pm 0.05% of Reading + 0.01 mA/V
LCAL-05	0 to 24 mA	NA	0.01	\pm 0.05% of Reading +0.01 mA

Note 1: Accuracy specifications include effect of non-linearity, hysteresis and repeatability at 23 \pm 5°C

Note 2: Maximum load 1000 ohms @ 20mA

Note 3: mA Source range up to 25 or higher based on requirement

Standard Delivery

1. Instrument: 1 no.
2. Rubber boot: 1 no
3. Carrying Pouch: 1 no.
4. Test Lead (2 wire) : 2 nos.
5. User Manual: 1 no.
6. Traceable Calibration Certificate
7. 'AAA' Battery – 6 nos.

Optional

1. Accredited (NABL) Calibration Certificate as per ISO/IEC 17025 Standard
2. R&D Calibration Management Software
3. Table top Design

This image is for marketing purposes; the actual instrument may vary slightly

Manufacturer of
TEST BENCHES
CALIBRATION INSTRUMENTS

ISO 9001
Certified Company

www.rndinstruments.com

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ACCREDITED CALIBRATION LABORATORY

As per ISO / IEC 17025

THERMAL
MECHANICAL
ELECTROTECHNICAL

www.calibrationlab.in