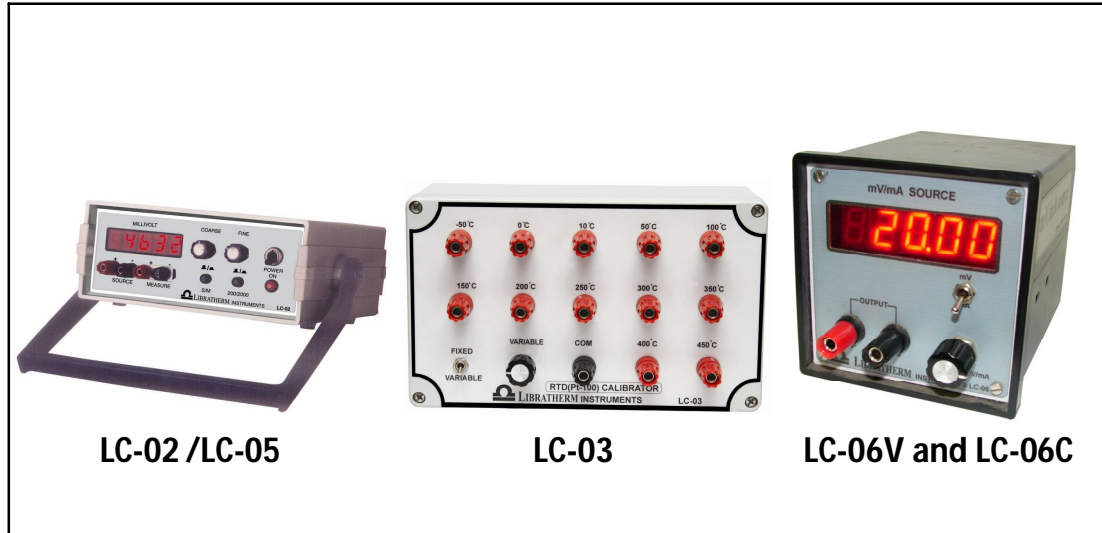


Digital Calibrators

(Product Code 25.3)



Model Wise Description:

Sr.No	Model	Product Description	Size (mm.)
25.3.1	LC-02	Millivolt Calibrator (source/measure) Range: (0.00 to 199.99) mV & (0 to 1999) mV.	250 x 255 x 105
25.3.2	LC-03	Resistor Calibrator for PT-100 Input in the range of -50 to 400oC with 12 fixed range and one variable.	200 x 120 x 75
25.3.3	LC-05	Millivolt and Milliamp Calibrator (source/measure) Range: (0.00 to 199.99) mV, (0.0 to 60.0) mV (0.00 to 30.00) mA.	250 x 255 x 105
25.3.4	LC-06	mV/0-10V/(4-20)mA DC Source	96 x 96 x 120

Description:

Libratherm offers 4 & ½ Digit mV /mA Calibrators model LC-02 and LC-05 which are designed mainly for calibrating temperature and process instruments. Both the models can source and measure the current and voltage signals and hence useful for measuring the sensor outputs as well as for sourcing the signal to the indicator/controller. Model LC-03 is a pt-100 source calibrator for sourcing the resistance corresponding to Pt-100 values with accuracy of 0.01Ohms. 12 fixed ranges are equally divided to cover the temperature range from -100.0oC to + 400.0oC, variable potentiometer is also provided for generating variable resistance values.

Model LC-06V and LC-06C are only voltage and current source meter with 4 and ½ digit display and source range of 0 to 10V or 0 to 60mV or 0 to 25 mA.

Features:

- ❖ Measures and Simulates mV signals for thermocouples.
- ❖ Measure and source industrial std. (4-20) mA or 0.001 mV/mA display resolution.
- ❖ Matches std. thermocouples curves to 1°C.
- ❖ Calibrators also available for RTDs (LC-03).
- ❖ Calibrated using NPL std. reference meter.
- ❖ ABS enclosure and bench top model.
- ❖ Operates on 230VAC/110VAC.

Applications:

- ◆ Measures temperatures in conjunction with a thermocouple.
- ◆ Calibration and testing of indicators and recorders.
- ◆ Suitable for many routine field servicing and in house test/measuring unit to calibrate temperature indicator / controller.

Technical Specifications:

	mV / V Calibrator	mV / mA Calibrator	Fixed Resistance RTD Calibrator	mV/V/mA Source meter
Model	LC-02	LC-05	LC-03	LC-06V and LC-06C
Display	4 & ½ Digit 0.5" Red LED	4 & ½ Digit 0.5" Red LED	N.A.	4 & ½ Digit 0.5" Red LED
Settings	Using Front Panel Potentiometers & Selector Switch	Using Front Panel Potentiometers & Selector Switch	Using 12 way selector switch (Fixed Resistor) & Potentiometer for variable resistance	Using Front Panel Potentiometer
Measure Range	0.00 to +/- 199.99 mV 0 to 2000 mV	0.00 to +/- 199.99 mV 0.00 to 30.00 mA	N.A. N.A.	N.A.
Source Range	0.00 to 60.00 mV (RLmin = 100K ohm) 0 to 2000 mV (RLmin = 100K ohm)	0.00 to 60.00 mV (RLmin = 100K ohm) 0.00 to 30.00 mA (RLmax = 400 Ohms)	-100 to 400 °C in 12 steps (for 1 °C accuracy) --	0.00 to 60.00mV 0.00 to 10.00V (RLmin = 100K ohm) 0.0 to 25.00 mA (RLmax = 400 Ohms)
Supply Voltage	230 VAC +/-10%, 50/60 Hz	230 VAC +/-10%, 50/60 Hz	Not required	230 VAC +/-10%, 50/60 Hz
Size (mm.)	250 x 255 x 105	250 x 255 x 105	200 x 120 x 75	96 x 96 x 120
Mounting	Table Top	Table Top	Table Top	Table Top