

## Digital mV / mA / V Calibrator (Product Code 25.8)



### Description:

Libratherm offers Digital mV / mA / V Calibrator model LC-05 which is designed mainly for calibrating Temperature/Process instruments. The design is based on solid-state electronics with low drift amplifiers and stable voltage and current source incorporating latest integrated chips. LC-05 is user friendly in operation and works on 230VAC supply.

### Features:

- ❖ Measures and Simulates mV signals for thermocouples.
- ❖ Measure and source industrial std. (4-20) mA with 24VDC loop supply.
- ❖ Matches std. thermocouples curves to 1°C.
- ❖ Calibrated using NPL std. reference meter.
- ❖ ABS enclosure and bench top model.
- ❖ Operates on 230VAC

### Application :

- ❖ **LC-05 can be used to calibrate temperature / process indicator – controller or Transmitters.**

## Technical Specifications:

<b>Model</b>	LC-05
<b>Display</b>	4 and ½ digit 0.5" red 7 segment LEDs.
<b>Accuracy</b>	Better than +/- 0.2 % of the range
<b>Resolution</b>	0.01mV or 10 microvolt for milli-volt range, 0.01mA for milli-ampere range and 0.001volt or 1 mV for Voltage range.
<b>Measure Range</b>	0.00 to +/- 199.99 mV, 0.00 to 30.00 mA , 0.000 to 10.500 volt,
<b>Source Range</b>	-5.00 to +60.00 mV, 0.00 to 30.00 mA, 0.000 to 10.000 volt
<b>Simulation</b>	Using Fine and Coarse potentiometer for adjusting the selected signal.
<b>mV/mA/V Selection</b>	Rotary selector switch for selecting mV, mA and Volt
<b>Source / Measure Selection</b>	Using front panel push button switch with LED indication.
<b>Loop Supply</b>	24VDC +/- 0.2% @ 50mA max for external 2 wire transmitter.
<b>Supply</b>	230VAC +/- 15%, 50/60 Hz.
<b>Enclosure / Size</b>	ABS plastic Desk top with adjustable height / 250 X 255 X 105 mm.

