

Data Sheet

SBK Instrumentation

Loop Calibrator

Model -LC807



Features

- Hand held, Battery operated, Portable 2 Wire Loop Operated Source.
- Typical Accuracy 0.1%
- Optional battery eliminator for operation on 230V AC
- External DC Power Supply 12-36 V DC as per load.

Introduction

SBK Instrumentation makes truly portable and highly reliable Loop Calibrator This can be used for Two Wire Transmitters & other mA operated Process Control Instruments. Basically designed to suit Instrument Lab as well as field calibration. This is powerful Tool for Commissioning , Quality Assurance Routine Maintenance and Trouble Shooting.

Specifications

Technical Specifications

Power Supply	Two Batteries of 9V, SizePP3 (Optional) Battery Eliminator-230V AC
Indication	3½ digit LCD display with Battery Low, Over-range & Polarity Indication
Operating Temp.	0 to 50°C
Effect of Temp.	0.002% per Deg.C ref 25°C
Change Humidity	Max 90% Rh non condensing
Battery Life	6 Hours in case of continuous operation for full current output
Storage Temp.	0 to 70°C
Size	170(H) * 90(W) * 45(D)
Weight	1 Kg approx.
Range	4 – 19.99 mA

Function	Range mA	Resolution mA	Load	Accuracy
Loop 24V DC P.S.	4 - 20	0.01	Dependent DC Supply 500 Ω for 24 VDC	0.1%

Special Facility

- a) mA Source in *STEPS* of 4, 8, 12, 16, 20 mA useful to calibrate instruments quickly.
- b) Indication in terms of mA.

Functional Description

1. **Power ON** This switch powers the instrument with batteries / eliminator when switched "ON"
2. **mA Adj** To get variable mA outout by multiturn Helipot.
3. **Source Step** To get variable or fixed mA output
4. **Terminals** Provided mA Source
5. **Battery Eliminator** –(Optional) This facility is provided in the Calibrator to suit the operation on 230V AC 50 Hz \pm 10%. As soon as you connect Eliminator Socket, batteries get disconnected automatically & vice versa.
6. **Battery Replacement** –When "**Low Bat**" Indication appears on DPM, the discharged batteries must be replaced, other wise the accuracy will not be achieved. For replacing battery remove side – bottom plate and then slide out the bottom plate on which battery is firmly placed.
7. **Calibration** Easily accessible pots for Cal Adj. Please refer Instruction Manual.

Applications

- Field Transmitter & Process Control Instrument
- As fault finding tool + Quality Assurance Tool

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- Due to continuous development specifications are subject to change without notice.

Represented by :-

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