

## DATA SHEET

### mV/mA Simulator

#### INTRODUCTION

SBK Instrumentation makes truly portable and highly reliable mV and mA Source facility. The Simulator is designed to suit Instrumentation Lab as well as field calibration. This can be used as better tool for trouble shooting and confirmation of instrument. Hence very useful for Commissioning, Quality assurance, Routing Maintenance.



#### FEATURES

- Source mA and mV as per requirement
- Keypad Operation
- Typical Accuracy 0.1% ± 1 digit
- Operation on 230Vac
- Maximum load 500 ohms
- mA Output range 0-20.0 mA
- mA Measurement Range 4 - 20mA
- mV Output range 0-200V
- mV Measurement Range 0-200V
- mV Output range 0-200mV

#### TECHNICAL SPECIFICATIONS

- **Power Supply** 230 V AC 50 Hz ± 10%
- **Indication** 4 ½ digit 0.5" height Red LED
- **Operating Temp.** 0 to 50 ° C
- **Effect of Temp. Change** 0.001% per Deg. C ref 25° C
- **Humidity** Maximum 90% Rh noncondensing
- **Storage Temp.** 0 to 70° C
- **Size** 96 (W) \* 96 (H) \* 100 (D)
- **Weight** 1 Kg approximate

#### SPECIFICATIONS

Function	Range	Resolution	Accuracy	Load
<b>Source/Sink</b>				
mV	0 -200	200mV	0.1 % ±1 digit	500 Ω at 200mV
mA	0-20.00	10 μA	i.e 0.1 % ±1 digit	500 Ω at 20mA

## FUNCTIONAL DESCRIPTION

- **Mode** :Source (Generation) with Keypad.
- **mA And mV Simulator** : Can be calibrated easily through Keypad.

## APPLICATION

- For calibration of process control instruments and systems for various industries such as cement, Chemicals, Dyestuff, Paint, Drugs, Pharmaceuticals, Sugar, Paper, Glass, Food Industries, Steel, Synthetics, Auto, Air Conditioning and Refrigeration.
- As fault finding tool.
- Quality Assurance tool for ISO 9000, QS 2000 companies for control of inspection & measurement.

---

Due to continuous development specifications are subject to change without notice

*Total Instrumentation under Single Roof*

**SBK- INSTRUMENTS**  
A-201, Manali Arcade, Pune-Satara Rd,  
Near D-MART, Pune – 411 009.  
Mob : 9423001226  
E-Mail : [sbkinstru@rediffmail.com](mailto:sbkinstru@rediffmail.com)

Represented By

SBK Instrumentation