

DATA SHEET

V/mA Simulator

INTRODUCTION

SBK Instrumentation makes truly portable and highly reliable V 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 V and mA 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
- V Output range 0-10 V
- V Measurement Range 0-10V

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
Source/Sink				
V	0 -10	10V	0.1 % ±1 digit	500 Ω at 10V
mA	0-20.00	10 μA	i.e 0.1 % ±1 digit	500 Ω at 20mA

FUNCTIONAL DESCRIPTION

- **Mode** :Source (Generation) with Keypad.
- **V And mA 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, Durgs, 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

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