

## Current Source – VS 101



### Description:

EDUCE TECH INSTRUMENTS has introduced Compact and easily handportable Single Phase Voltage Source (VS 101). The instrument generates the Current according to the user requirements that can be easily adjustable through the multi turn knobs. ON/OFF Switch is provided for Output Voltage. A LCD display is provided for the measurement. The system operates on 230VAC Single Phase Power supply.

### Principle:

The System uses digitally synthesized sinusoidal waves with analog amplification for the lower Total Harmonic Distortion (THD) and for the higher accuracy. The Output waveform has 60dB fundamental frequency above the noise floor on the full-scale reading and the stability of better than 0.2%.

### Application:

The Instrument is designed for Voltage Calibration, Testing of special kind of Industrial Devices

## SPECIFICATIONS:

### INPUT:

Voltage: 230VAC +/- 10% @ Max 1Amps.

Frequency: 50Hz.

### OUTPUT:

Voltage:  $V_{out} = 40$  to 300VAC @ 30VA

Frequency: 40 to 60 Hz.

Stability: < 0.2%

Measurement Accuracy: 0.2%

Distortion: < 1% THD @ full scale.

### PROTECTIVE CIRCUITS:

INPUT: 3Amps Fuse.

OUTPUT: Thermal:

Internal temperature sensor prevents heat damage.

### CONTROLS/INDICATORS:

INPUT: Power ON/OFF Switch with RED Light Illumination.

OUTPUT: Voltage Selection: Ten Turn Potentiometer.

Frequency Selection: Ten Turn Potentiometer.

Measurement: LCD Display for Measuring output current

### MECHANICAL SPECIFICATIONS:

Dimensions: 330mmX205mmX200mm. (LxWxH)

Weight: 6Kgs.

Contact Contact Us:

### Educe Micro Research

# 269, 43<sup>rd</sup> Main Road, 3<sup>rd</sup> Cross, Ideal Homes, 2<sup>nd</sup> Phase, Rajarajeshwarinagar,  
Bangalore 560098. Karnataka, INDIA.

email: [mktg@educetech.in](mailto:mktg@educetech.in) / [ravi@educetech.in](mailto:ravi@educetech.in)

Ph - +91 9902699799

web: [www.educemicroresearch.com](http://www.educemicroresearch.com)