

ISE Regulated AC Voltage Source







- 0-140 & 0-280 VAC Regulated Output Models are Available
- Digital Voltmeter (output)
- Digital Ammeter (output)
- True Sine Wave Output
- 0.5% Regulation
- Stable Output Voltage Independent of Input Voltage & Load Variations.

The **ISE** Portable Voltage Regulators provide a precise regulated AC voltage output. These models utilize a variable transformer with a stepper motor drive & control. The output is a true sine wave. Full range response is less than one second. The output voltage is adjusted via a front panel knob. Digital readouts are provided for output voltage and load amperage. These models are ideal for testing applications where a stable, adjustable AC voltage source is required.

Specifications

Regulation	+/- 0.5% (+/-0.25% Limited Range)	Protection	Output fuse
Voltmeter Accuracy	+/- 0.5% F.S. +/- 1LSD	Enclosure	9.25" H x 10"W x 12"D Metal (Ventilated)
Voltmeter Resolution	1 VAC	Line Cord	6' with plug
Ammeter Accuracy	+/- 1% F.S. +/- 1 LSD	Receptacle	(1) Universal Mounted on front
Ammeter Resolution	0.01 AAC	Input/Output Isolation	None

Standard Models

Model	Nom. Input	Output	Max Amps	Plug	Receptacle	Weight
3SD1010B-DVAM	120VAC	0-140VAC	10 A	5-15P 	Universal	23.5 lbs
3SD1510B-DVAM	120VAC	0-140VAC	15 A	5-15P 	Universal	28.5 lbs
3SD1020B-XDVAM	120VAC	0-280VAC	3.5 A @ 0-150VAC 2.0 A @ 215VAC 1.8 A @ 240VAC 1.5 A @ 280VAC	5-15P 	Universal	23.5 lbs
3SD1020B-DVAM	240VAC	0-280VAC	3.5 A	6-15P 	Universal	23.5 lbs

ISE, Inc.

10100 Royalton Rd • Cleveland, OH 44133 Tel: 440-237-3200 Fax: 440-237-1744
<http://Variac.com>

Operation

- 1) Connect power cord to suitable power source with the cord and plug supplied.
- 2) Plug device to be powered in the front panel receptacle.
- 3) Adjust the output voltage with the knob on the front of the unit.

Notes:

Front panel switch is supplied to turn the unit on and off.

Front panel fuse is the output fuse.

Recommended Fuses:

Model	Output Fuse
3SD1010B-DVAM	ABC10 (10A)
3SD1510B-DVAM	ABC15 (15A)
3SD1020B-XDVAM	ABC4 (4A)
3SD102B0-DVAM	ABC4 (4A)

Cautions:

- 1) Enclosure is suitable for indoor operation only. Do not use if unit has been exposed to water or other damage.
- 2) Do not subject to excessive temperatures. Unit is rated for operation in ambient temperatures of 32-100°F (0-37°C).
- 3) Fuses should be replaced with only the fuses as recommended above. Output fuse can be replaced with a lower amperage rated fuse if desired.

Troubleshooting:

Problem	Possible Solutions
Voltage, amperage displays do not light up when powered and switch is on.	Check internal fuse.
Voltage display is correct, Amperage display shows 0 Amps.	Check output fuse. Check item that is being tested.

