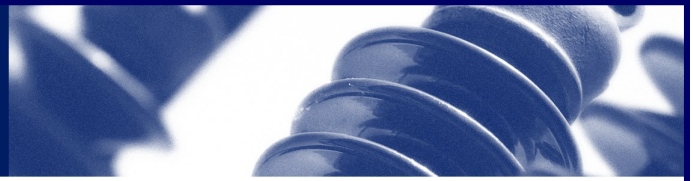


Voltage Sag Generator

1-Phase 20A 120/240V 50/60Hz



1 Phase Voltage Sag Generator

Omniverter offers a new diagnostic tool to industry, business and electric utilities who wish to perform voltage sag testing to IEC 6100-4-11, IEEE1 668 and to SEMI F47

Unique features to improve accuracy

Voltage compensation for line test voltage.

User can select standard or custom test sequence

The Voltage Sag Generator provides investigators a quick way to identify weak links in a process by injecting voltage sags of known, controlled magnitude and duration, while monitoring the response of the process. The Voltage Sag Generator helps engineers quickly characterize process components from a simple relay to complex programmable logic controllers and equipment in industrial facilities. Its built-in data acquisition system automatically captures voltage, current and other user connected signals during induced sag events.

Includes

- Main unit and all necessary interconnecting cables
- Built-in 6 external channel data acquisition system
- Voltage probe accessory kit
- User manual and Voltage Sag Generator software

Available Option

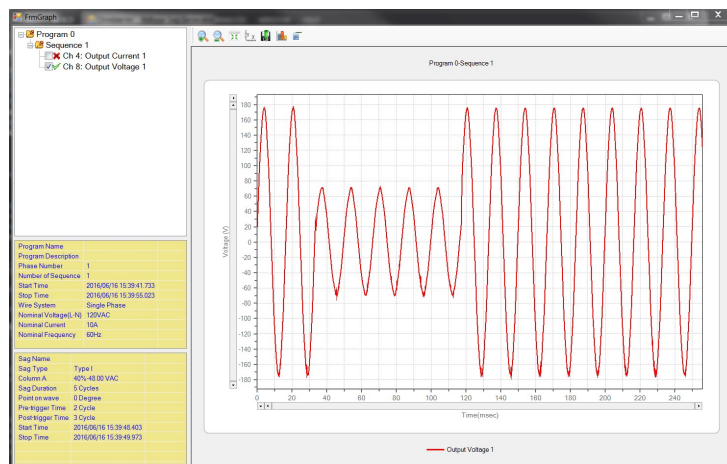
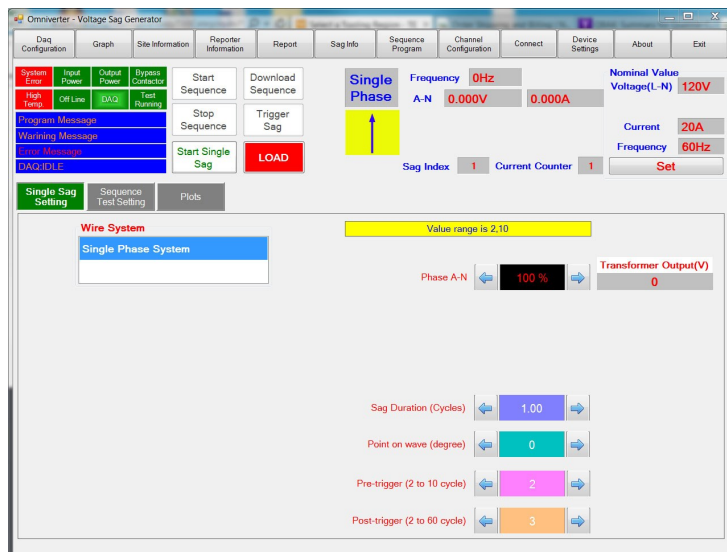
- Notebook computer pre-loaded and tested with Voltage Sag Generator software.

Voltage Sag Generator

1-Phase 20A 120/240V 50/60Hz

Features

- Connects in series between the utility supply and load using simple input and output connections
- Test voltages (100–240 V, 50 or 60 Hz)
- Creates sags by switching momentarily to adjustable transformer
- Easy setup for single-or split phase loads
- Motorized Transformer to select sag levels
- Sag depth 100% to 0% in 2% steps
- Voltage sag durations ranging from ¼ cycle to 3 seconds full load, plus 5 & 10 seconds
- 360-degree point-on-wave control
- Built-in start/stop circuit
- Built-in current transformer to monitor load current
- Captured waveforms can be saved in any of several formats including CSV, bitmap, jpeg
- Software runs under Microsoft® Windows™10 64 bit is provided.



Specifications

Electrical

Control voltage	Either 120 VAC or 220 VAC
Operating frequency	50 or 60 Hz, automatic detection
Test voltage range	100–240 V Phase-to-Neutral, or split phase
Max load current	20 A _{rms} continuous
Max load inrush current	50 A _{peak} for ½ cycle
Input configuration	1-phase Y + N+G or Split phase + G
Output configuration	1-phase Y + N+G or Split phase + G
Monitoring points	Phase A-N, or Li-L2

Sag Control

Sag duration	¼ cycle to 3 sec. in ¼-cycle steps
Sag magnitude	at full load + 5 & 10 Sec
Point-on-wave	3% to 100% in 3% steps
Trigger output	360° in 1° increments
	TTL compatible

Voltage Sag Generator software is a powerful diagnostic tool for capturing analyzing and exporting waveforms

Data Acquisition

Sampling rate	10 kHz
Resolution	16 bits
Max input voltage	3 channels ±10 V _{peak} AC or DC
	3 channels ±350 V _{peak} AC or DC (approx 240 V _{rms})

Dimension

Weight	60 lbs/ 27 kg
Dimension	20 x 15 x 15 inch (LxWxH)
	509 x 381 x 381 mm

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