

Voltage drop generator VDT S10

Overview

Voltage sags, short interruptions are caused by sudden changes in power grid, power facility failures or loads. In some cases, there will be two or more consecutive rollovers or interrupts. The voltage change is caused by a continuous change in the load connected to the grid. If the EUT on the power supply voltage changes cannot respond in a timely manner, it may lead to failure. The voltage drop generator is used to evaluate the performance of electrical and electronic equipment when subjected to voltage sags, short interruptions, and voltage changes. Products fully meet the latest requirements of IEC/ EN 61000-4-11.

Standard and basis of product designing & manufacturing

- IIEC61000-4-11: Electromagnetic Compatibility Testing and measurement techniques-Voltage dips, short interruptions and voltage variations immunity test

Power supply

- Input voltage: AC220V ($\geq 150W$)
- Frequency: 50/60Hz
- Coupling/ decoupling network: single-phase three-wire (L-N-PE)
- Voltage resolution: 1V
- Voltage harmonic distortion $\leq 5\%$

Environment

- Indoor use
- Altitude not exceeding 1000metres
- Ambient temperature 15°C~35°C
- Relative humidity no more than 85%
- No conductive dust, no fire or explosion hazard, no corroding metal or insulating gas, sine wave voltage waveform, waveform distortion rate $\leq 5\%$
- Earthing resistance not more than 4 Ω

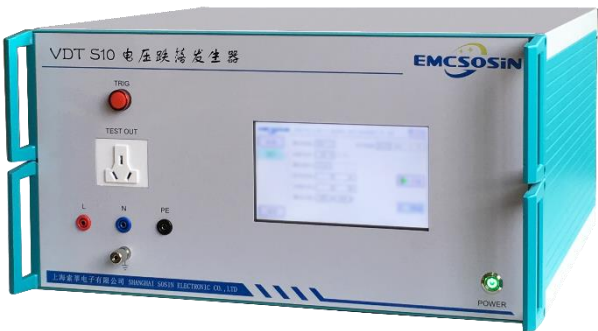
Features

- User friendly 7" Touch Panel Display
- Support multi-language & facilitate users
- Built-in environment self-test program
- Programmable operation
- Pre-programmed IEC 61000-4-11 test settings
- RS232/ USB interface, PC control operation & printable test report
- Comfortable use and convenient operation

The logo for Cal Power, with 'Cal' in black and 'Power' in red, both in a bold, sans-serif font.

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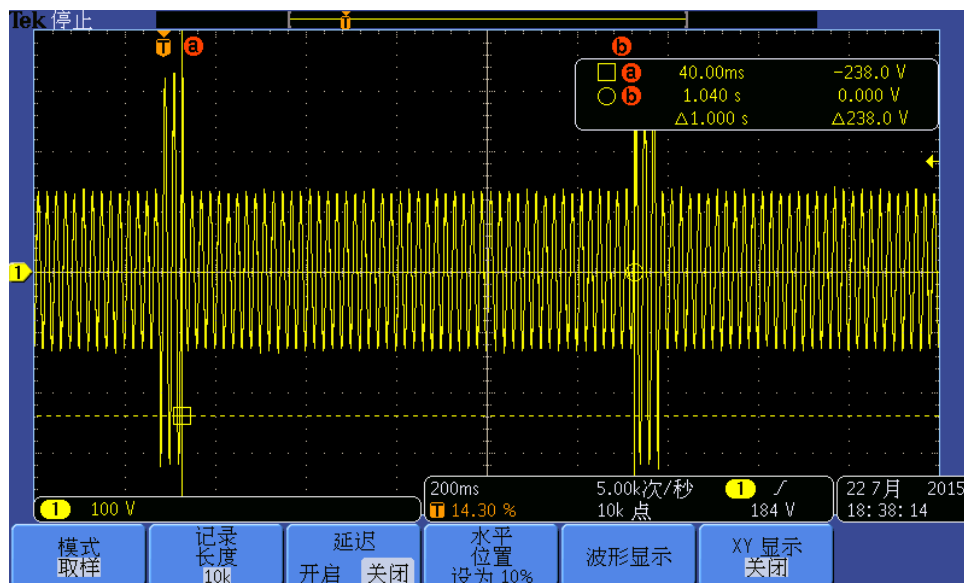
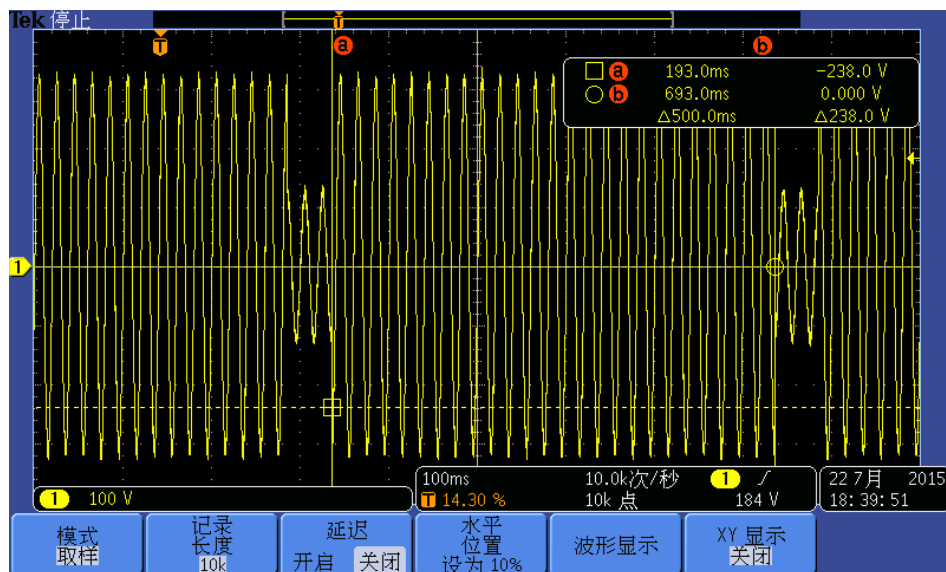
Picture



Technical data

Model	VDT S10
Voltage variation range	0~120%
Voltage change duration	1~ 9999 half cycle
Switching phase	0~ 359°synchronous, asynchronous, or automatic
Built-in standard test grade	0, 40%, 70%, 80%
Jump time	1μs~ 5μs
Voltage changes in the number of repeat	1~ 9999
Interval cycle of voltage variation	1~ 9999 half cycle
Drop mode	Set at random
EUT capacity	1 phase, 10A
Power supply	AC220V 50/60Hz
Ambient temperature	15℃~ 35℃

Measured waveform



After-sale service

● High quality service team

At present, nearly 20 trained product engineers and application technicians provide fast, quality and comprehensive after-sale service. At least 80% of them have bachelor degree or above.

● Pay attention to the cultivation of service concept & improve customer satisfaction

While improving the technical level of employees, we are more emphasis on the training of professional ethics. To create first class after-sale service, we provide whole staff training. Each employee must accept the company's strict training on occupational ethics. And quality assessment for service personnel is regularly conducted.


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