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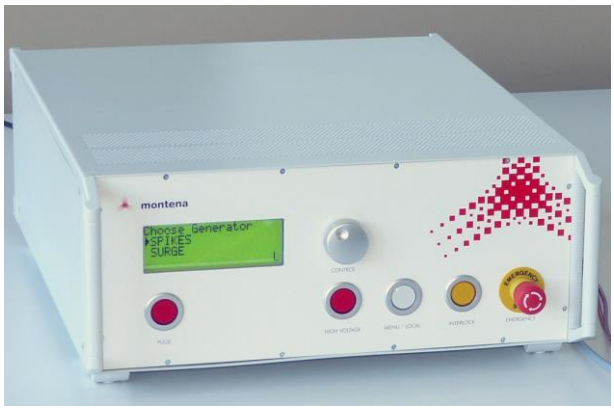
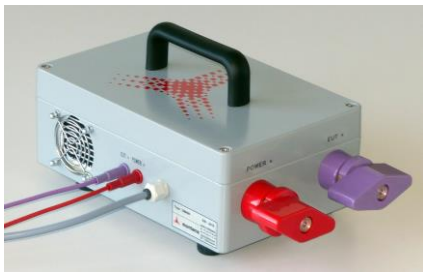
Surge Generator for MIL-STD 1275E





This generator PG1275E is specially designed for the test of the susceptibility to surges and spikes of military 28 V_{dc} electric circuits according to MIL-STD-1275E. The maximum permanent current is 16 A or is given by the optional external diode module of 400 A (DM400, picture on the right). For the spikes test, the current limit is given by the external 5 µH LISN (artificial network). Different versions of LISN are available. The generator can be fully controlled by a computer through a RS232 or an USB interface.

SPECIFICATIONS

Type	**PG1275E**
Transients supported	injected spikes and injected surges
EUT operating voltage	28 Vdc
EUT operating current (spikes)	depends on the LISN
EUT operating current (surges)	16 A (400 A with the DM400 diode module)
Surge maximum open circuit voltage	200 V
Surge maximum energy	< 150 J
Spike maximum open circuit voltage	260 V
Spike maximum energy	< 2 J
Output connectors	4 mm safety sockets
Remote control	RS232 and USB
Operating temperature	10 – 40 °C
Power supply Configured in factory, either:	☐ 100 V min. to 130 V max. 50 - 60 Hz, or ☐ 210 V min. to 264 V max. 50 – 60 Hz
Dimensions	610 x 450 x 200 mm (L x W x H)
Weight	22 kg

montena technology - 1728 Rossens - Switzerland - phone + 41 26 411 84 84 - fax + 41 26 411 17 79
www.montena.com e-mail: products@montena.com

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Optional external diode module

Type	**DM400**
Description	external diode module
Maximum continuous current	400 A
Connector	large binding posts
Dimensions	350 x 180 x 170 mm (L x W x H)
Weight	1.6 kg