

SNG 200P

FAST EDGE SWITCHING NOISE ON E-VEHICLE HV LINES



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FOR TESTS ACCORDING TO ...

› VW 80300

SNG 200P - EHV-16 FAST EDGE SWITCHING NOISE

The SNG 200P is designed to simulate high voltage events in electrical vehicles according to EHV-16.

The generator serves as a disturbance source of up to 100 V coupled on HV batteries, and is entirely battery powered so that you can take the generator directly to the injection point on the DUT.

HIGHLIGHTS

- › Portabel switched noise generator
- › Fast edge switch noise for VW 80300, EHV-16
- › Built-in 100 V power supply
- › Battery operated with rechargeable batteries
- › In advance programmable via AutoWave
- › Fast rise and fall time
- › Manual operation

APPLICATION AREAS



AUTOMOTIVE

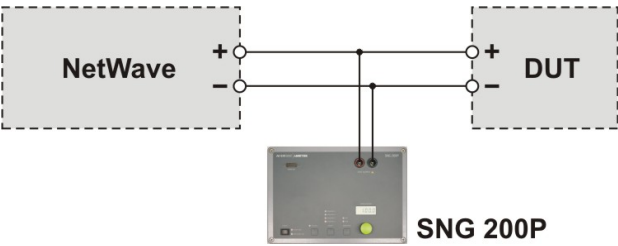
TECHNICAL DETAILS

APPLICATION

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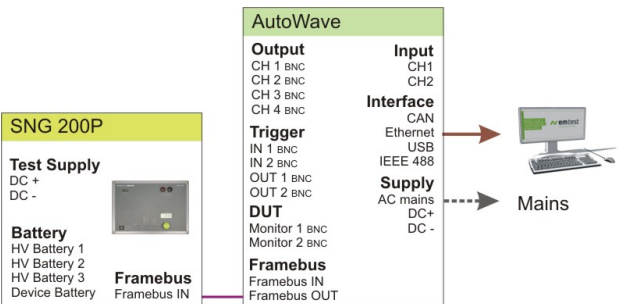
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SOFTWARE PROGRAMMING

TEST SEQUENCE PROGRAMMING WITH THE AUTOWAVE

The Software AutoWave.control, is required in order to send predefined sequences to the SNG 200P, but does not control the generator during the test run.



TECHNICAL DATA

OUTPUT CHARACTERISTICS

Test supply voltage (DUT voltage)	SNG 200P: max. 500 VDC SNG 200P1000: max. 1000 VDC
Output voltage	100 V peak max.
Switching time	< 1 us (rise/fall time) typ. 200 ns
Pulse width td	1 us - 1 h
Repetition time	100 us - 10 ms (with max. 10 pulses) 10 ms - 100ms (with max. 10 pulses if duty cycles < 0.1%) 100 ms - 1 h (without pulse limitation)
Battery operation	> 1 hr. depending on voltage and repetition time

GENERAL DATA

INTERFACES

Framebus	Control Bus through AutoWave
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GENERAL DATA

Dimensions	(250 mm x 160 mm x 1250 mm)
Weight	Approx. 10 kg

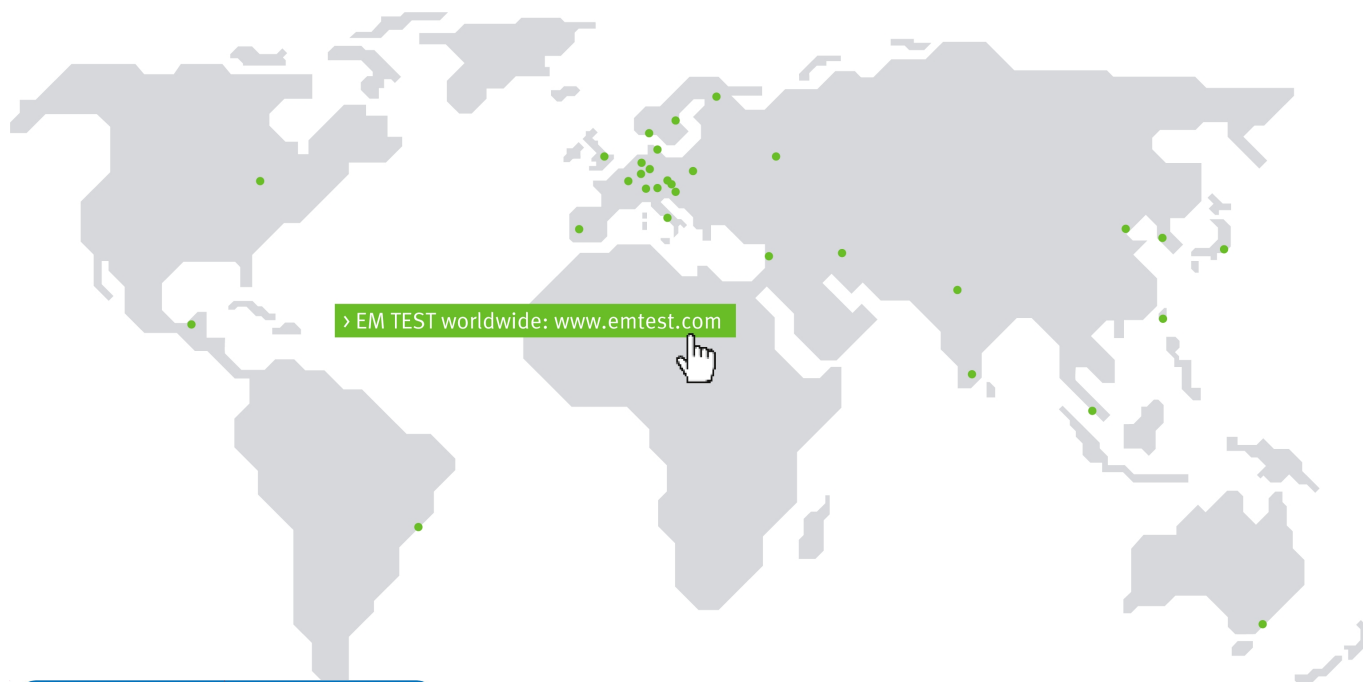
POWER SUPPLY

Plugs	6 mm banana, (Stäubli / Multi Contact)
batteries	4
Charging	external charging unit

ENVIRONMENTAL

Temperature	23 °C ±5 °C (operating), 10 °C to 35 °C (storage)
Rel. humidity	25 % to 75 %, non-condensing
Atmospheric pressure	86 kPa (860 mbar) to 106 kPa (1,060 mbar)

COMPETENCE WHEREVER YOU ARE



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Information about scope of delivery, visual design and technical data correspond with the state of development at time of release. Subject to change without further notice.