SNG 200P
FAST EDGE SWITCHING NOISE ON E-VEHICLE HV LINES

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
› Built-in 100 V power supply
› Battery operated with rechargeable batteries
› In advance programmable via AutoWave
› Fast rise and fall time

APPLICATION AREAS

AUTOMOTIVE
**APPLICATION**

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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**

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

**GENERAL DATA**

**INTERFACES**

Framebus: Control Bus through AutoWave

**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

CONTACT EM TEST DIRECTLY

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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.