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Schaffner NSG1025 & CDN125

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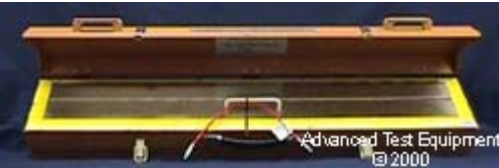
Fast Transient / Burst Generator

- Conforms to IEC 801-4; IEC 1000-4-4
- Test voltages up to 4400V
- Burst frequencies up to 10KHz
- Single pulse capability
- Integrated coupling network

NSG1025 Available with CDN125 coupling clamp (shown below) or [CDN300](#) 3 Phase Coupler (not shown)

Technical Specifications

- Pulse amplitude: 225V; 4400V (off-load)
- Polarity: Pos. or neg. selectable
- Pulse rise time: 5ns ± 20%
- Pulse width: 50ns ± 30%
- Burst frequency f Burst: 2,5/5/10kHz ± 10%
- Burst duration t Burst: 15ms ± 20%
- Burst repetition t Rep: 300ms ± 20%
- Generator impedance: 50ohm ± 20% (dynamic)
- Coupling network: as per IEC 801-4, built-in
- Coupling mode: Press-button selection
asym, L1 > reference earth; L2 > reference earth; PE > reference earth; L1 + L2 > ref. earth; L1 + L2 + PE > ref. earth
- Inputs/Outputs:
 - * IEC equipment socket for the instrument supply
 - * 16A equipment plug for the test object supply
 - * Test object connection; country-specific mains socket - UL
 - * Gate function for Burst and 50Hz pulse: BNC, active 0
 - * Trig, function for single pulse: BNC, active 0, with LED
 - * Pulse output: HV coaxial connector
 - * Measurement output: BNC, 100:1 into 50 ohm



CDN125 - Capacitive Coupling Clamp

- Coupling clamp to IEC 1000-4-4 / 801-4
- For burst pulses and fast transients
- Injection into signal and data cables, plus AC line and DC power supply cables

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