

High Frequency Noise Simulator

INS 400

Datasheet



In Compliance with

> NECA TR-28

Introduction

The INS 400 high-frequency noise simulator is designed to simulate the interference generated when the relay is turned on or off as a representative of the inductive component. This type of interference contains a wide spectrum (up to 2 GHz) that is coupled, reflected, resonated, and amplified by the IC through the wiring of the power line and the printed circuit board inside the device, causing equipment failure.

The device can be used to evaluate the performance of electronic equipment against transient conducted interference, and can qualitatively test the anti-radiation performance of the anti-interference performance of the electronic equipment system and the grounding performance of the system, and apply it most in various interference simulators. Wide, one of the most practical instruments

Features

- > 5.7-inch color touch screen operation for PC interconnection
- > Built-in 50 Ω termination resistor;
- > Floating output
- > 5 scheduling tests
- > Manually select different pulse widths and coupling modes
- > The coaxial short-circuit bar can easily realize the common differential mode test





Application Areas

- | | |
|-----------------|----------------------|
| > Communication | > Technology |
| > Telecom | > Military |
| > Medical | > Avionics |
| > Broadcast | > New energy |
| > Railway | > Electrical Vehicle |

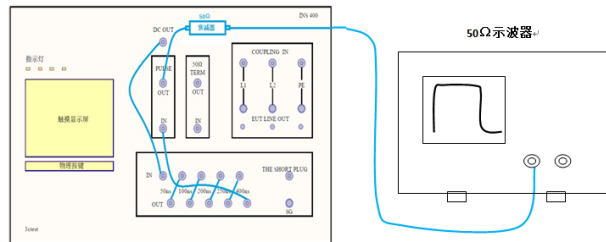
Technical Parameters	
Output Voltage	0.1 kV ~ 2 kV±10%, Built-in 50 terminal load
Polarity	Positive or negative
Source Impedance	50 Ω
Rise Time	<1 ns
Pulse Width	50 ns ~ 1000 ns (50 ns step)
Repetition Frequency	20 Hz ~ 90 Hz, ±10%
Phase Sync	0~359°±10% (only L1-L2)
EUT Capacity	AC240 V 16 A、DC 60 V 16 A
Trigger Mode	Manual, auto, external

General Parameters	
Mains Supply	AC 110/220 V, ± 10%, 50/60 Hz
Ambient Temperature	45%-75%RH (no condensing)
Relative Humidity	15 °C-35 °C
Size	21 inch, 6U
Weight	Approx. 30 kg

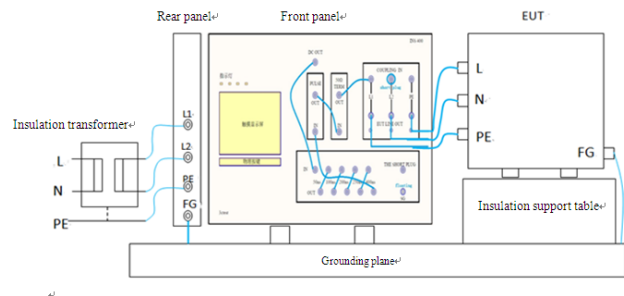
Accessories	
User Manual, Test Line, Short-circuit Bar, Power Line, Earth Line, Coaxial Cable, Fuse*2	

Optional Accessories	
<p>1.Coupling/decoupling Network INSN 2032</p> 	<p>AC 380 V Three-phase-5-line 32 A,50 A Input voltage 2000 V</p>
<p>2. Attenuator TFB 500</p> 	<p>Output impedance: 50 Ω Attenuation ratio: 500:1 Freq. range: DC-400 MHz</p>
<p>3.Capacitive Coupling Clamp CCC 100</p> 	<p>Coupling capacitance: 100 pF ~ 1000 pF DC 5 kV Insulation>5 kV (1.2/50 μs) Dimension: 1040 × 140 × 110 mm</p>
<p>4.Current Injection Clamp BCIP-400</p> 	<p>Frequency: 10 kHz~400 MHz Inner diameter: φ40 mm</p>
Isolation Transformer	

1. Typical calibration connection diagram



2. Typical test connection diagram (differential mode L1-L2) :





SUZHOU 3CTEST ELECTRONIC CO., LTD.

Add.: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

Tel: +86 (0)512 6807 7192 Fax: +86-512-68079795

Sales Email: globalsales@3ctest.cn Service Email: service@3ctest.cn

www.3c-test.com