



High Frequency Noise Coupling/Decoupling Network **INSN 40100**

■ NECA TR-28

— Features

- > External coupling/decoupling network, matched with high frequency noise simulator INS 800
- > Max. open-circuit test voltage 8,000 V, 4,000 V@50 Ω
- > Max. load capacity of EUT: AC 400 V 100 A, DC 400 V 100 A

— Introduction

INSN 40100 High-frequency Noise Coupling/Decoupling Network, meet the requirements of NECA TR-28 standard assessing the immunity of electronic equipment to transient conducted interference. It also tests immunity performance of systems that can be qualitatively judged, partial radiation immunity and system grounding performance.

Designed as an external coupling/decoupling network, it is used with INS 800 high-frequency noise simulator. The max open-circuit test voltage is 8,000 V, 4,000 V @50 Ω and the max load capacity is AC 400 V 100 A, DC 400 V 100 A.

— Application Areas



Technical Parameters

Coupling Pulse Voltage	Open circuit 8000 V, 4000 V@50 Ω
EUT Load Capacity	AC three-phase five-wire (L1, L2, L3, N, PE), 400 V 100 A DC 400 V 100 A
Coupling Path	L1, L2, L3, N, PE
Coupling Switching Mode	Manual
Coupling Mode	Common mode, deferential mode (connect via short-circuit plug)
Phase Synchronization	Arbitrary superposition of phase angles between line-line and line-ground of L1, L2, L3, N, PE

General Parameters

Working Voltage Range	AC 110 V/ 220 V, $\pm 10\%$, 50/ 60 Hz
Fuse	6 A
Maximum Power Consumption	200 VA
Grounding Method	Flat grounding wire
Failure Detection	LCD display in front panel and stop work when failure occurs
Dimension	450 mm (W)* 280 mm(H)*620 mm (D)
Weight	Approx. 64 kg
Atmospheric Pressure	86 kPa ~ 106 kPa
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%

Standard Accessories

Power Cord, User Manual, Test Cables, Grounding Cable, Main Unit 1PC

Optional Accessories

1	High Frequency Noise Simulator	Model: INS 800 In comply with NECA TR-28 Output voltage: 0.2 kV ~ 4 kV, built-in 50 Ω terminal load Output Impedance: 50 Ω Rise time: < 1s Pulse width: 50 ns ~ 1,000 ns (Adjustable in 50 ns steps) Chassis dimension: 6U rack, 450 (W)* 280 (H)*620 (D) mm Weight: 30 kg	
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