

ZN3760D Artificial Power Network (LISN) - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN3760D
Type: Artificial Power Network (LISN)
Frequency Range: 9kHz – 30MHz

The ZN3760D is a V-type 50Ω/50μH + 5Ω Artificial Power Network (LISN) designed for conducting disturbance tests. It provides stable impedance within the specified frequency range and isolates the Device Under Test (DUT) from the high-frequency noise on the power line, coupling the interference voltage to the receiver. The device complies with the CISPR16-1 standard, equivalent to the national standard GB/T6113.1.

2. Technical Specifications

Parameter	Specification
Frequency Range	9kHz – 30MHz
Impedance Characteristics	50Ω/50μH + 5Ω
Impedance Error	±20% (Refer to the Impedance Characteristics Chart)
Phase Angle Error	±11.5°
Isolation	0-40dB (0.009-0.05MHz); ≥40dB (0.05-30MHz)
Voltage Divider Ratio	<6.5dB (Refer to Divider Ratio Table)
Operating Current	Max 50A
Operating Voltage	AC 250V 50Hz; DC 400V
RF Output	N-type, 50Ω
Dimensions	435mm × 700mm × 200mm
Weight	30kg

3. Key Features

- **Stable Impedance:** Provides stable impedance in the specified frequency range for conducting disturbance tests.
 - **High Isolation:** Effectively isolates high-frequency interference, ensuring separation of the DUT from noise on the power line.
 - **Compliance with Standards:** Meets the CISPR16-1 standard, equivalent to GB/T6113.1, for conducting disturbance tests.
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4. Panel Functions

1. Front Panel

- Ground Terminal
- Power Output L Terminal
- Power Output N Terminal
- Measurement Output
- Line Selector
- Grounding Plate
- Calibration Ground Terminal

2. Rear Panel

- Power Input N Terminal
 - Power Input L Terminal
 - Ground Terminal
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5. Operating Instructions

1. Ensure the grounding plate is properly connected to the ground plane before use.
 2. Connect the lines as shown in the wiring diagram, and select either the "N" or "L" line for measurement.
 3. After use, disconnect the power supply to prevent electric shock.
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6. Caution

- Only trained personnel should operate this device.

- Carefully read the user manual before use, and follow the connection instructions.
- The device should be used in a well-ventilated, dry environment, and the PE ground must be securely connected. Safety warning signs must be in place during operation.

7. Standard Accessories

Item	Quantity
ZN3760D Main Unit	1 unit
User Manual	1 copy
N-N Test Cable (1m)	1 unit

8. Warranty

- **Warranty Period:** 18 months from the date of shipment, covering defects under normal usage and transportation conditions.

9. Product Photo



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