

ZN3760B Artificial Power Network (LISN) - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN3760B
Type: Artificial Power Network (LISN)
Frequency Range: 9kHz – 30MHz

The ZN3760B is a V-type 50Ω/50μH + 5Ω Artificial Power Network (LISN) designed for conducting disturbance tests. It provides stable impedance in 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 Chart)
Operating Current	Max 20A
Operating Voltage	AC 250V 50Hz; DC 400V
RF Output	N-type, 50Ω
Dimensions	400mm × 400mm × 150mm
Weight	11.5kg

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.

4. Panel Functions

- Front Panel**
 - Ground Terminal
 - Power Output L Terminal
 - Power Output N Terminal
 - Measurement Output
 - Line Selector
 - Grounding Plate
 - Calibration Ground Terminal
- Rear Panel**
 - Power Input N Terminal
 - Power Input L Terminal
 - Ground Terminal

5. Operating Instructions

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

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.

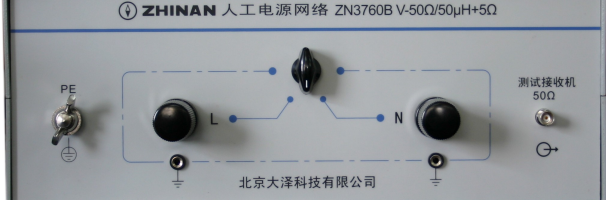
7. Standard Accessories

Item	Quantity
ZN3760B 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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