

ZN23101C Current Probe - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN23101C
Type: Current Probe
Frequency Range: 9kHz – 70MHz

The ZN23101C current probe is designed to detect conducted interference signals on cables with a diameter of less than 58mm, or for injecting signals into cables for interference immunity testing. This probe is suitable for use in EMC testing environments.

2. Technical Specifications

Parameter	Specification
Frequency Range	9kHz – 70MHz
Aperture Diameter	Φ58mm
Transfer Admittance	See table below
Power Handling Capability	Can withstand up to 5W
Dimensions	180mm × 150mm × 50mm
Weight	2.45kg
Operating Temperature	0°C – 40°C
Storage Temperature	-40°C – 60°C
Operating Humidity	20% – 90% RH
Storage Humidity	≤90% RH
Atmospheric Pressure	86kPa – 106kPa

3. Key Features

- **Wide Frequency Range:** Covers 9kHz to 70MHz, suitable for various measurement applications.
 - **Large Aperture:** Capable of detecting interference on cables with a diameter of less than 58mm.
 - **High Power Handling:** The probe can handle up to 5W of power input, ensuring reliable testing performance.
 - **Self-Test Function:** Equipped with calibration devices, 50Ω loads, and signal sources for easy calibration.
-

4. Calibration Method

To ensure accurate measurements, the probe is calibrated using a signal source and a 50Ω load. The transfer admittance (K) can be calculated using the following formula:

$$K = V_1 - V_2 - 34(dBs)$$

Where:

- V_1 is the voltage measured with a through-attenuator receiver.
- V_2 is the voltage measured using the current probe.

The current detection formula is:

$$I_p = V + K$$

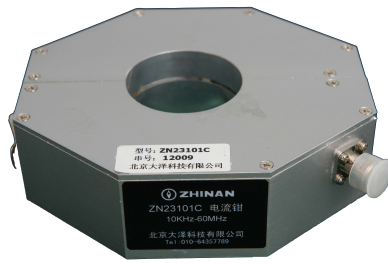
5. Standard Accessories

Item	Quantity
ZN23101C Current Probe	1 unit
Test Cable (N-N, 2m)	1 unit
User Manual	1 copy

6. Warranty

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

7. Product Photo



Contact Information:

Beijing Daze Technology Co., Ltd.

Phone: 010-64357789

Fax: 010-64373942

Website: www.zn734.com.cn

Email: 781920339@qq.com