

# ZN31300 Flange Coaxial Shielding Effectiveness Tester - Product Datasheet

**Manufacturer:** Beijing Daze Technology Co., Ltd.



## 1. Product Overview

**Model:** ZN31300  
**Type:** Flange Coaxial Shielding Effectiveness Tester  
**Frequency Range:** 9kHz – 3000MHz

The ZN31300 Flange Coaxial Shielding Effectiveness Tester is designed based on the **GJB 6190-2008** standard, which outlines the measurement methods for electromagnetic shielding materials' shielding effectiveness. This device features a wide application range, broad testing frequency spectrum, and is easily connected to a network analyzer or spectrum analyzer with a tracking source for testing.

## 2. Technical Specifications

| Parameter              | Specifications                             |
|------------------------|--------------------------------------------|
| Operating Frequency    | 9kHz – 3000MHz (Electric Field)            |
| Input/Output Impedance | 50Ω                                        |
| Power Handling         | ≤20dBm                                     |
| VSWR                   | <1.2 (9kHz – 1.5GHz), <1.4 (1.5GHz – 3GHz) |
| Insertion Loss         | <0.5dB                                     |
| Test Sample Size       | Diameter: 112mm, Thickness: <2mm           |
| Dynamic Range          | >100dB                                     |
| Operating Temperature  | -10°C ~ 40°C                               |
| Operating Humidity     | <85% RH                                    |
| Weight                 | 20kg                                       |

### 3. Key Features

- **Wide Frequency Range:** Capable of testing from 9kHz to 3000MHz, covering a broad spectrum for shielding effectiveness evaluations.
  - **Low Insertion Loss:** Less than 0.5dB, ensuring minimal signal degradation during testing.
  - **High Dynamic Range:** Over 100dB, providing a wide range of measurable shielding effectiveness.
  - **Durable Design:** Built for robust usage with a test sample diameter of 112mm and thickness less than 2mm.
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### 4. Included Accessories

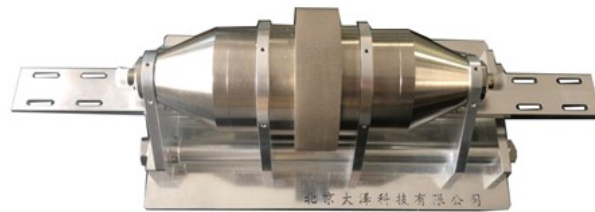
| Item                         | Quantity |
|------------------------------|----------|
| ZN31300 Tester               | 1 unit   |
| N-N 1m Double Shielded Cable | 2 units  |
| Technical Manual             | 1 copy   |
| Certificate of Conformity    | 1 unit   |
| Wrench                       | 1 unit   |
| Punch Tool                   | 1 unit   |
| Backing Plate                | 1 unit   |
| Round Hole Cutter            | 1 unit   |

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### 5. Warranty

- **Duration:** 18 months from the date of shipment.
- **Conditions:** Covers manufacturing defects and failures under compliant transportation and usage conditions.

## 6. Product Photo



### **Contact Information:**

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