

ZN1690D Electromagnetic Shielding Effectiveness Automatic Monitoring System - Product Datasheet

Manufacturer: Beijing Daze Technology Co., Ltd.



1. Product Overview

Model: ZN1690D
Type: Electromagnetic Shielding Effectiveness Automatic Monitoring System

The ZN1690D is designed for automatic monitoring of shielding effectiveness in various electromagnetic shielding environments, such as shielding rooms, cabinets, and boxes. The system consists of paired transmitting and receiving devices. When the shielding performance falls below a set threshold, it triggers a real-time alarm. The system is equipped with data storage functionality, allowing long-term monitoring and recording of shielding effectiveness data, which can be viewed and analyzed through built-in software.

2. Technical Specifications

Parameter	Specifications
Address Number	0-200
Measurement Frequency	915MHz
Shielding Effectiveness	0-80dB at 30cm distance
Data Logging Interval	1 hour to 24 hours
Data Storage Capacity	> 25,000 records
Interface	USB
Power Supply	AC 90V-220V

3. Key Features

- Real-time Monitoring:** Provides continuous monitoring of electromagnetic shielding performance with real-time alarms when effectiveness drops below set thresholds.
- Data Storage:** Records data continuously, with storage capacity for over 25,000 records.

- **Alarm System:** Alerts with sound and flashing red light when shielding effectiveness is not up to standard.
 - **User-Friendly Software:** The system connects to a computer via USB, enabling easy configuration, data retrieval, and analysis.
 - **Customizable Alarm Settings:** Users can set the allowable duration of shielding failure before triggering an alarm, as well as the monitoring intervals.
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4. Included Accessories

Item	Quantity
Measurement Devices	2 units (1 transmitter, 1 receiver)
USB Cable	1 unit
User Manual	1 copy
Packaging Box	1 unit

5. Operating Instructions

1. **System Setup:**
 - Use the included software to configure one module as the receiver and the other as the transmitter. Ensure that both modules have matching address numbers to enable communication.
 - Set the alarm duration based on user requirements. This defines how long the system will allow a shielding failure before issuing an alarm.
 2. **Data Monitoring:**
 - The system logs shielding effectiveness data continuously, with a customizable logging interval (1 hour to 24 hours). Data is stored in the system’s internal memory, which can store over 25,000 records.
 3. **Alarm System:**
 - The system automatically triggers an alarm (both sound and flashing red light) when the shielding effectiveness drops below the predefined threshold. The alarm continues until the effectiveness meets the required standard again.
 4. **Data Management:**
 - Connect the ZN1690D to a computer via USB to retrieve and analyze the stored data. The software allows users to query data based on time ranges or status (pass/fail) and presents the data in a list or graph format.
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6. Warranty

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

7. Product Photo



Contact Information:

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