

BFN-CMS3305 Noise Online Monitor

The CMS3305 Noise Monitor is a New Device for Real-time Environmental Noise Measurement, Utilizing an Electret Technology Sensor for Noise Acquisition. This Product Allows Customized Noise Threshold Settings with Real-time Alerts Upon Exceeding Limits, Enabling Tailored Environmental Monitoring. It Features Online Network Monitoring Via Industrial-Grade 485 bus or Wireless Communication, Transmitting Operational Status Data to Servers for Storage and Analysis.



Wired: 1.5.01.00.0014 Wireless: 1.5.01.00.0018

Function Introduction

◆ Noise Measurement

Uses an Electret Technology Sensor to Collect Ambient Noise. Data is Transmitted to the Host Unit for Real-time Display, Alarm Triggering, And Uploading. The Sensor is Externally Installed at the Monitoring Point.

◆ Communication Networking (Compatible with CMS, IMMP)

Equipped With an RS485 Interface for Connection to HORB Technology's Device Network. Integrates with HORB's CMS and IMMP Systems Via BFN-SSV.

◆ Display and Indicators

Startup Screen: Standard BFN logo; Operation Screen: Displays Real-time Status and Data During Normal Operation: A. Noise Value, B. Noise Unit Db, C. Current Operation Status; Alert Screen: Prominent Visual Warning (Flashing Values) With Audible Buzzer Alarm.

◆ Buzzer Alarm

Built-in Buzzer Sounds During Noise Exceedance. Supports External Alarm Lights or Pull-wire Lights for Visual Workshop Alerts.

◆ Local Storage

Built-in Flash Memory for Cyclic Data Storage, Ensuring Data Retention During Communication Loss.

◆ Restore Factory Settings

Allows Restoration to Factory Default Settings.

◆ Sensor Interface

Standard Interface for External Noise Sensors.

Application Scope

Suitable for Environmental Noise, Traffic Noise, Workplace Noise, Construction Noise, And Community Noise Monitoring.

Product Parameters

Power Supply	DC 12V	Noise Accuracy	±0.5dB (Reference: 94dB@1kHz)
Communication	RS485, Wireless	Dust Cover Effect	≤0.7dB
Backup Power	Network 5V	Power Consumption	100mA
Measuring Range	30dB~120dB	Operating Environment	Temperature: -20°C~60°C; Humidity: 0%~99%RH
Frequency Response	20Hz~12.5kHz	Weight	350g
Stability	<2% per cycle	Dimensions	L108mm*D117.5mm*H38.5mm
Free-field Sensitivity	~8mV/Pa (Free-field Sensitivity: -42 dB re 1V)		