

Noise Sensor

Product model: FST100-2010

The FST100-2010 noise sensor is designed for the harmfulness of noise to the human body. Noise can cause changes in the auditory system and also affect non-auditory systems. Long-term exposure to relatively strong noise can cause pathological changes. It interferes with language communication, affects work efficiency, and even causes accidents.

◆ Features

- ✓ Wall-mounted shell, easy to install
- ✓ High measurement accuracy and fast response speed
- ✓ Range up to 30~120dB
- ✓ Communication method: Modbus RTU communication protocol, RS485 digital output



◆ Scope of application

- ◇ Home, office, production workshop
- ◇ Computer room, production workshop, archive room, library, school shopping mall
- ◇ Smart home, building control, airport, train station and other fields

◆ Technical parameters

Default range	30~120dB 20Hz~12.5kHz		
Signal output	Analog signal	4~20mA/0~5VDC/0~10VDC	
	Digital signal	RS485 output (Modbus protocol)	
Operating Voltage	10~30VDC Note: 0~10VDC output (24VDC power supply)		
Power consumption	Analog signal (voltage/current maximum power consumption 1.2W)		
	Maximum power consumption of digital signal 0.4W		
Precision	3%FS		
Frequency weighting	A weighting	Response time	≤2s
Mike wind	Condenser microphone	Electrical connections	Direct lead
Working environment	-20°C ~+60°C, 10%~90% (working humidity)		

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◆ Product size and wiring method

