

OVERVIEW

Noise sensor is a kind of digital and modular multi-function sound level meter. Using a digital signal processing chip and digital detection technology, has a high reliability, good stability, wide dynamic range, without range switching, etc. Can be widely applied to various machines, vehicles, ships, electrical appliances and other industrial noise measurement, can also be used for environmental noise measurement, labor protection, industrial hygiene.



BENEFITS AND FEATURES

- High Sensitivity
- Fast response time
- Low consumption
- Excellent stability
- Long service life

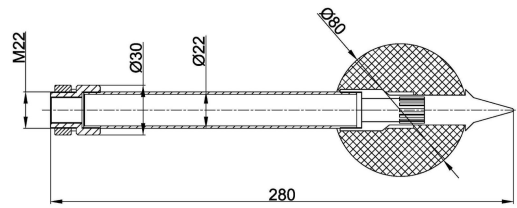
APPLICATIONS

- Environment quality monitoring
- Smart home
- Warehousing
- Public place
- Labor protection
- Animal husbandry

TECHNICAL DESCRIPTION

Item	Technical Specification
Range	30-130dB
Accuracy	$\pm 3\text{dB}@23 \pm 5^\circ\text{C}$, accordance with IEC 61672 standard type 2, calibrated at 94dB(1kHz) input
Frequency response	31.5Hz - 8kHz.
Corrector	B&K 4226
Microphone	Capacitive microphone , size: 0.5 inch
Supply	5VDC, 12-24VDC
Output	RS485
Power Consumption	<20mW
Response Time	<200ms
Operating Temperature	$-10^\circ\text{C} \sim +50^\circ\text{C} @ 5\text{-}80\% \text{RH}$
Storage	$-40 \sim 70^\circ\text{C} @ 20\% \sim 90\% \text{RH}$
Shell Material	ABS & 304SS

DIMENSION



ORDERING STRING

Remark	Series	Type	Supply	Output	Cable Length	
CD						
	W					
		13B				
			A			5V
			B			12-24V
			X			Other
				A		RS485(MODBUS-RTU)
				X		Other
					2000	Units:mm (typ)
					3000	Units:mm
					...	Units:mm

Example: CDW-13B-BA2000 Supply:12-24V, Output:RS485, Cable Length:2m.

SEE ALSO

- [CDW-10A](#) Wall-mounted Barometric Pressure Sensor
- [CDW-21A/CDW-31A](#) Dust Concentration Sensor
- [CDW-12A](#) CO2 Concentration Sensor
- [CDW-23A](#) Leaf Wetness Sensor
- [CDW-13B](#) Noise Sensor
- [CDW-38A](#) Noise Sensor Atmospheric Temperature&Humidity&Pressure Sensor
- [CDW-TO2A](#) O2 Sensor
- [CDW-T2A](#) SO2 Sensor

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