



RK300-06 Noise Sensor

Overview

Noise Sensor is a kind of digital modular and 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.It can be widely applied to various machines, vehicles, ships, electrical appliances and other industrial noise measurement, it can also be used for environmental noise measurement, labor protection, industrial hygiene.



Features

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

Applications

- Environmental quality monitoring
- Smart home
- Warehousing
- Public place
- Labor protection
- Rail transit

Technical Parameter

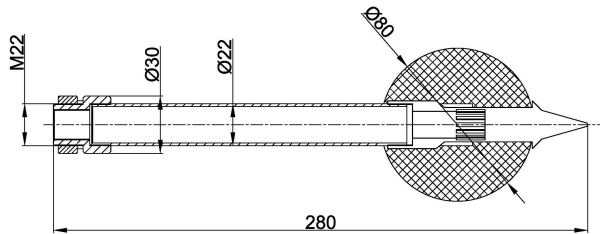
Item	Technical Specification	
Mode	Type A	Type B
Accuracy	$\pm 3\text{dB}@23\pm 5^{\circ}\text{C}$, accordance with IEC 61672 standard type 2,calibrated at 94dB(1kHz) input	$\pm 1.5\text{dB}$ calibrated at 80dB(2kHz) input
Output	RS485	4-20mA, RS485, RS232
Power consumption	$<0.5\text{W}@12\text{V}$	$0.24\text{W}@12\text{V}$
Frequency response	20Hz-12.5kHz	31.5Hz - 8kHz
Net weight(unpacked)	165g	200g
Range	30-130dB(A)	
Resolution	0.1dB	
Corrector	B&K 4231	
Calculation method	A weighting	
Microphone	Capacitive microphone, size: 0.5 inch	
Supply	5VDC, 12-24VDC	
Ingress protection	IP65	
Response time	$<200\text{ms}$	
Operating temperature	$-20^{\circ}\text{C}-80^{\circ}\text{C}@10-90\%\text{RH}$	
Storage	$-40^{\circ}\text{C}-80^{\circ}\text{C}@20\%-90\%\text{RH}$	
Shell Material	Aluminum alloy	



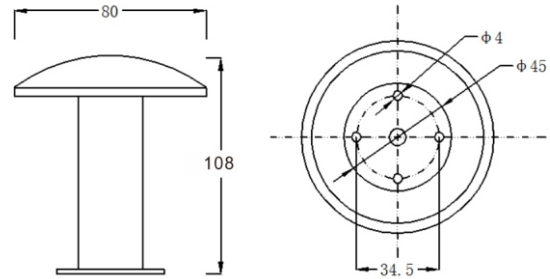
RK300-06 Noise Sensor

Dimensions

Unit:mm



Type A



Type B

Parameter Selection Table

Remark	Series	Type	Supply	Output	Cable Length	
RK						
	300-06					
		A				Microphone Style
		B				Mushroom Style
			A			5V
			B			12-24V
			X			Other
				A		RS485(MODBUS-RTU)
				B		4-20mA
				X		Other
					2000	Units:mm(typ)
					3000	Units:mm
					...	Units:mm

Example: RK300-06ABA2000 Supply:12-24V, Output:RS485, Cable Length:2m.

Revision time	Reviser	Current Version	Remarks
20250731	Lee	V5.0	