

DESCRIPTION:

YW-532 is an instrument for measuring environmental noise, which can be used in the fields of machine manufacturing, equipment maintenance, architectural design, transportation, environmental protection and health care.

YW-532 resolution is 0.1dB, accuracy is $\pm 1.5\text{dB}$. The instrument supports A and C frequency meter rights. A weight attenuates the low frequency components of the original noise signal of the environment more, simulates the auditory characteristics of the human ear, evaluates the noise size from the hearing, so it is the most widely used, and the weight has less modification to the original noise signal of the environment. Can truly reflect the noise of the environment.

YW-532 support SLOW and FAST time weights. The time constant of SLOW time weight is 1 second, which is used to measure steady state noise, and the time constant of FAST time weight is 125 milliseconds, which is used to measure fast changing unstable noise.

YW-532 also provides a 3.5mm audio interface that outputs both DC and AC signals. DC interface outputs DC voltage signal, the voltage is proportional to the noise value(10mV/dB), which can be used for the secondary calibration of data or the expansion of display equipment, and the AC interface outputs AC voltage signal, which can be used for spectrum analysis of environmental noise.

The YW-532X adds the recording function on the basis of YW-532, which can record all the data in the measurement process. YW-532X through the USB connection computer, can be combined with PC end software use.

YW-532X PC end software can monitor noise value in real time. Users can view the data recorded by the instrument in the software interface, and can also use the software to export files in different formats.

FEATURES:

- Frequency A/C
- SLOW/FAST of time weight
- DC/AC signal output
- PC software (YW-532X)
- Data records (YW-532X)
- USB data export (YW-532X)
- Maximum/minimum measurement mode
- 4 measuring gears
- Numerical locking
- Support user calibration
- Screen backlight
- Automatic shutdown

APPLICATION:

- Machine manufacturing
- Equipment maintenance
- Architectural design
- Transport
- Health
- Environmental protection



YW-532

YW-532X

NOTICES:

- Please operate the instrument correctly and use it under the conditions specified in the technical parameter table.
- Please deal with the waste in accordance with the relevant regulations of national environmental protection.
- Avoid sun exposure.
- Avoid direct contact with corrosive chemicals.

WARNING:

- No private disassembly!
- Guard against strong electricity, static shock!

SPECIFICATION:

Model	YW-532	YW-532X
Recording function	No	Yes
PC software	No	Yes
Storage capacity	No	17280 sets of measurements
Record interval	No	1 second to 10 minutes
Measuring range	30~130dBA; 35~130dBC	
Resolution	0.1dB	
Precision	±1.5dB (reference tone standard, 94dB@1kHz)	
Measuring gear	30~130dB; 30~80dB; 50~100dB; 80~130dB	
Response frequency	31.5Hz~8.5kHz	
Sampling frequency	2 per second	
Frequency weighted characteristics	A and C rights	
Time weighting characteristics	FAST (time constant 125 milliseconds) SLOW (time constant 1 second)	
Analogical depiction	2dB/Characterization (30~130dB gear) 1dB/Characterization (other gear)	
AC signal output	4Vrms/output impedance is about 100Ω per full scale	
DC signal output	The output impedance of 10mV/dB, is approximately 85Ω	
Operating environment	Temperature: 0~40℃ Humidity: 10~80%RH	
Storage environment	Temperature: -10~60℃ Humidity: 10~70%RH	
Power supply	2 pcs of 1.5V AA dry cell batteries 2 pcs of 1.2V AA rechargeable batteries 5V USB	
Protection level	IP40	
Dimension	221*65*30 mm	
Material	ABS	
Weight	About 155g (without batteries)	