



CRY2831



CRY2833
CRY2834

CRY2830 Series Sound Level Meters

Introduction

Sound level meters are specifically designed to monitor sound and noise level across various application scenarios, meeting Class 1 and Class 2 accuracy requirements as per the IEC 61672-1:2013 standard. To cater to diverse customer needs, CRY SOUND meters offer a range of functional options, including integral measurement, statistical analysis, 1/1 Octave band analysis, 1/3 Octave band analysis, and sound exposure measurement. These features ensure adaptability for different monitoring requirements, enabling precise and reliable sound and noise monitoring capabilities. They are suitable for applications such as automatic environmental noise monitoring, traffic noise monitoring, online/digital monitoring of noise pollution sources, occupational health measurement, and airport noise monitoring.

Applications



- Product Development**
 Test and certify the noise levels of products and ensure quality control.



- Environmental Protection**
 Monitor and reduce noise pollution in urban and industrial areas.



- Occupational Safety**
 Ensure compliance with noise regulations through monitoring and sound level control in the workplace.



- Engineering and Construction**
 Evaluate the impact of noise generated by machinery and construction activities.

Highlights

- Versatile and Cost-Effective Product Range**
 With feature-rich and comprehensive product offerings, the CRY2830 Series provide a variety of options. From standard to multi-functional models, users can choose the device that is best for their needs, application, and budget.
- Comprehensive Features**
 The CRY2830 Series support integral measurement functionality, statistical analysis, 1/1 octave band analysis, 1/3 octave band analysis, sound exposure measurement, monitoring, 24-hour measurement, recording and storage, and much more.
- Versatile Connectivity Options**
 The CRY2830 Series supports Bluetooth®, WiFi, USB, and RS232, enabling remote control and data transmission through various methods.
- Ergonomic Design and High-Definition Display**
 The ergonomic design ensures enhanced operational comfort and satisfaction, complemented by an anti-drop wrist strap. CRY2833 and CRY2834 feature a 320*240 TFT color display that offers high-definition clarity and brightness, ensuring a clear and vivid visual experience.

Technical Specifications

Ptproduct	CRY2831	CRY2833	CRY2834	CRY2833-L	CRY2833-H
Type	Basic Type	Multi-functional Type	Multi-functional Type	Low SPL Measurement Type	High SPL Measurement Type
Standard	IEC 61672-1:2013 Class 2	IEC 61672-1:2013 Class 1	IEC 61672-1:2013 Class 2	/	IEC 61672-1:2013 Class 1
Measurement Range	30dB(A)-135dB(A)	25dB(A)-140dB(A)	25dB(A)-140dB(A)	14dB(A)-130dB(A)	44dB(A)-160dB(A)
Self-generated Noise	< 25dB(A)	< 17dB(A)	< 23dB(A)	< 10dB(A)	< 35dB(A)
Frequency Range	20Hz-12.5kHz	10Hz-20kHz	20Hz-12.5kHz	10Hz-12kHz	10Hz-20kHz
Frequency-weighting	A, C	A, C, Z	A, C, Z	A, C, Z	A, C, Z
Time-weighting	F, S	F, S, I	F, S, I	F, S, I	F, S, I
Measuring Parameter	Lp, Lmax	Lp, Leq,t, Lpeak, Leq,T, Lmax, Lmin, Ln(n=5, 10, 50, 90, 95), SD	Lp, Leq,t, Lpeak, Leq,T, Lmax, Lmin, Ln(n=5, 10, 50, 90, 95), SD	Lp, Lmax, Lpeak	Lp, Lmax, Lpeak
Measuring Functions	Noise Measurement	Integral Measurement (Optional), Statistical Analysis (Optional), 1/1 Oct (Optional), Monitoring (Optional), Data Storage (32GB TF Card)	Integral Measurement (Optional), Statistical Analysis (Optional), 1/1 Oct (Optional), Monitoring (Optional), Data Storage (32GB TF Card)	Noise Measurement, Data Logging and Storage	Noise Measurement, Data Logging and Storage
Interface	AC/DC	AC, USB, RS232	AC, USB, RS232	AC, USB, RS232	AC, USB, RS232
Display	128*64 Dot Matrix LCD	320*240 TFT Display	320*240 TFT Display	320*240 TFT Display	320*240 TFT Display