



CRY2831

CRY2833
CRY2834

CRY2830 Series Sound Level Meters

Introduction

Sound level meters are specifically designed to monitor sound levels across various scenarios, meeting Class 1 and Class 2 accuracy requirements according to IEC 61672-1:2013. To cater to diverse customer needs, CRY SOUND meters offer a range of functional options, including integrating measurements, 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, online/digital surveillance 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 by monitoring and controlling workplace noise levels.



- **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 provides a variety of options. From standard to multi-functional models, users can choose the device that is best for their needs, applications, and budget.

- **Comprehensive Features**

The CRY2830 Series supports integrating 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 or GPS, 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	CRY2834	CRY2833	CRY2833-L	CRY2833-H
Type	Basic	Multi-functional	Multi-functional	Low SPL	High SPL
Standard	IEC 61672-1:2013 Class 2	IEC 61672-1:2013 Class 2	IEC 61672-1:2013 Class 1	/	/
Measurement Range	29 - 138 dB(A)	25 - 140 dB(A)	25 - 140 dB(A)	14 - 130 dB(A)	44 - 160 dB(A)
Self-generated Noise	< 25 dB(A)	< 23 dB(A)	< 17 dB(A)	< 12 dB(A)	< 35 dB(A)
Frequency Range	20 Hz - 12.5k Hz	20 Hz - 12.5k Hz	10 Hz - 20k Hz	10 Hz - 12k Hz	10 Hz - 20k Hz
Frequency Weighting	A, C, Z	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, 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
Measuring Functions	Non-integrating	Integrating, Statistical Analysis, 1/1 Oct (Optional), 1/3 Oct (Optional), Monitoring (Optional), Data Storage (32GB microSD card)	Integrating, Statistical Analysis, 1/1 Oct (Optional), 1/3 Oct (Optional), Monitoring (Optional), Data Storage (32GB microSD card)	Integrating, Statistical Analysis, 1/1 Oct (Optional), 1/3 Oct (Optional), Monitoring (Optional), Data Storage (32GB microSD card)	Integrating, Statistical Analysis, 1/1 Oct (Optional), 1/3 Oct (Optional), Monitoring (Optional), Data Storage (32GB microSD card)
Interface	AC/DC	AC/DC, USB-C, RS232, BT/WiFi or GPS (select one)	AC/DC, USB-C, RS232, BT/WiFi or GPS (select one)	AC/DC, USB-C, RS232, BT/WiFi or GPS (select one)	AC/DC, USB-C, RS232, BT/WiFi or GPS (select one)
Display	128 × 64 Dot Matrix LCD	320 × 240 TFT Display	320 × 240 TFT Display	320 × 240 TFT Display	320 × 240 TFT Display

Accessory Ordering Information

Name	Model	Description
Outdoor Protection Device	NA41	IP65 Rated Wind and Rain Shield
Calibrator	CRY563A	Class 1 Sound Calibrator
Extension Cable	BL2121	5m Extension Cable