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, CRYSOUND meters offer a range of functional options, including integral measurement, statistical analysis, 1/1 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, 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.

# CRYSOUND

## Technical Specifications

| Ptoduct | 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-20kHz | 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, LSmax, SEL, Lex8h, LAVG, TWA, DOSE, Ln(n=5, 10, 50, 90, 95), SD, E | Lp, Leq,t, Lpeak, Leq,T, Lmax, Lmin, LSmax, SEL, Lex8h, LAVG, TWA, DOSE, Ln(n=5, 10, 50, 90, 95), SD, E | Lp, Lmax, Lpeak | Lp, Lmax, Lpeak |
| Measuring Functions | Noise Measurement，Overload Warning | Integral Measurement (Optional), Statistical Analysis (Optional), 1/1 Oct (Optional), Sound Exposure Measurement (Optional), Monitoring (Optional), Recording and Logging, Data Storage (32GB TF Card) | Integral Measurement (Optional), Statistical Analysis (Optional), 1/1 Oct (Optional), Sound Exposure Measurement (Optional), Monitoring (Optional), Recording and Logging, Data Storage (32GB TF Card) | Noise Measurement，Overload Warning，Data Logging and Storage | Noise Measurement，Overload Warning，Data Logging and Storage |
| Interface | AC/DC | AC/DC, PWM, USB, RS232, BT, WIFI | AC/DC, PWM, USB, RS232, BT, WIFI | AC/DC, PWM, USB, RS232, BT, WIFI | AC/DC, PWM, USB, RS232, BT, WIFI |
| Display | 128*64 Dot Matrix LCD | 320*240 TFT Display | 320*240 TFT Display | 320*240 TFT Display | 320*240 TFT Display |