CRYSOUND

CRY3010 Series Sound Calibrator

Dual-Frequency · Dual Sound Pressure Level | Class 1/2

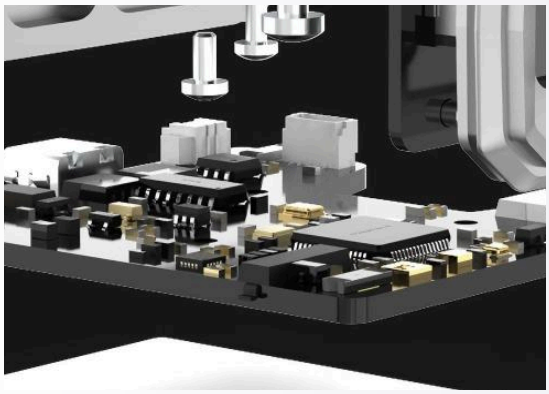
CRY3010 Series Overview

The CRY3010 Series includes the CRY3018, CRY3016, and CRY3012, covering both Class 1 and Class 2. It meets calibration requirements for sound pressure level and frequency across diverse acoustic measurement scenarios, making it the preferred calibration solution for both laboratory and field applications.

Product Features

- Complies with IEC 60942:2017 Class 1 or Class 2
- Dual Sound Pressure Level Calibration: Supports 94 dB and 114 dB
- Dual-Frequency Calibration: Supports 250 Hz and 1000 Hz
- Sound Pressure Level Accuracy: < 0.2 dB
- THD+N: < 2%
- Microphone Compatibility: Supports 1-inch, 1/2-inch, 1/4-inch, and 1/8-inch microphones

Core Technologies & User Experience



Environmental Adaptive Compensation

Built-in temperature, humidity, and atmospheric pressure sensors automatically compensate for errors caused by environmental variations, ensuring stable nominal output even under fluctuating ambient conditions.

Built-in Battery, Fast Charging

The CRY3010 Series acoustic calibrators feature a built-in lithium battery and support USB-C power supply, allowing operation while charging. Fast charging enables quick emergency use, while charging during operation minimizes downtime. A 5-minute fast charge provides up to 1 hour of operation, and a full charge supports nearly 1,400 calibrations.

Dynamic Display & Indicators

A high-brightness OLED display presents key information at a glance, while a built-in gyroscope enables automatic screen rotation. A top-mounted multi-color status indicator allows quick recognition even from a distance.

Authoritative Certifications

CE-RoHS

CE-EMC

FCC SDoC

UN 38.3

Applications

Sound Level Meter Calibration

Microphone Sensitivity Calibration

Noise Monitoring Station Maintenance

Acoustic Measurement System Calibration

Ordering Information

Technical Specifications

Product	CRY3018	CRY3016	CRY3012
Type	Flagship Model	Single-Frequency Model	Single-Frequency, Single-Level Model
Standard	Class 1	Class 1	Class 2
Frequency	250 Hz/1000Hz	1000 Hz	1000 Hz
SPL	94 dB/114 dB	94 dB/114 dB	94 dB
Display	Color	Monochrome	Monochrome
Adaptive Display	Supported	Not Supported	Not Supported
Sound Pressure Compensation	Supported	Supported	Supported
Environmental Compensation	Supported	Supported	Not Supported
Automatic Power-On	Supported	Not Supported	Not Supported
Automatic Power-Off	Supported	Supported	Supported