

CR:308 & CR:310

Basic Class 2 Sound Level Meters

For routine noise level testing and basic noise at work measurements

What are the CR:308 and CR:310?

The Cirrus Research CR:308 and CR:310 basic sound level meters are Class 2 instruments suitable for routine noise level testing and basic noise at work measurements*. The data information provided by the CR:308 and CR:310 sound level meters is accurate and reliable, meeting international standards for Class 2 accuracy.

How the CR:308/CR:310 will benefit you

The CR:308 and CR:310 are entry-level sound meters and are incredibly easy to use. They are the perfect solution for users who are new to noise measurement and need to routinely check on noise levels.

Both models provide sound pressure (SPL), maximum sound level (Lmax) and Cpeak data. They also display A and C frequency weightings, as well as Fast (F) and Slow (S) time weightings, which many other basic sound level meters available on the market cannot.

The CR:308 is a general purpose digital sound level meter, designed to IEC 61672 to Class 2. The instrument features Max and Min hold for the duration of your measurement and a customisable threshold trigger, displaying a visual alert on the display when a pre-set noise level is reached and/or exceeded.

The CR:310 is an integrating sound level meter, providing average noise level data (Leq) and the overall dose values (LEq8h). This allows the CR:310 to be used for basic workplace noise assessments. CR:310 measurement data can also be printed directly using the optional portable printer.

Applications

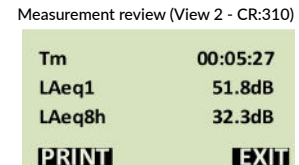
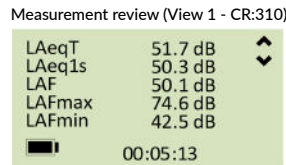
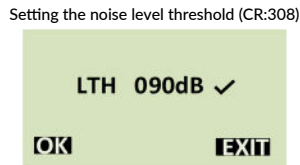
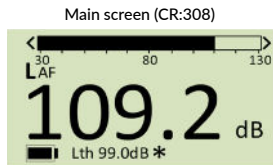
- Routine testing of noise levels
- Machine maintenance and testing
- Noise ordinance surveys
- Fire alarm testing
- Basic workplace noise assessments*

Key features

- No time spent learning complicated instrument as the CR:308 and CR:310 are incredibly easy to use
- Data is easy to read on the large backlit LCD display
- Offers more functionality than other entry-level meters, with frequency and time weightings, and LMax and Cpeak as standard
- Get alerted when the noise exceeds a set level, with the adjustable noise level threshold alarm (CR: 308 only)
- Carry out basic occupational noise measurements with Leq and Leq8h data (CR: 310 only)
- Long battery life



The CR:308 and CR:310 at a glance



Technical specifications

Applicable standards
IEC 61672-1:2013 Class 2

Measurement range
30 dB (A) ~ 130 dB (A)
40 dB (C) ~ 130 dB (C)

Frequency weightings
A & C

Time weightings
Fast (F) & Slow (S)

Display functions
Normal, Max, Min, C Peak

Measurement functions
LAF, LAS, LCF, LCS, LCpk
Leq (CR:310), LEq8h (LEX) (CR:310)

Noise floor
< 25 dB (A) and 35 dB (C)

Display flags
Threshold limit, overload, under-range

Auto-calibration range
±4.5dB

Reference point
94dB (1kHz), 92.9dB (8kHz)

Settling time
60s

Display
Backlit 128×64 LCD

Resolution
0.1 dB

Electrical outputs
AC (3.5mm jack) and DC (3.5mm jack)

Electrical inputs
5V power in via mini USB

Power
2 x AA/LR6 1.5V batteries
5V DC via mini USB

Battery life
24 hours

Microphone
½ pre-polarised electret condenser

Operating temperature
0°C to +40°C

Operating humidity
25% ~ 90%

Atmospheric pressure
65 kPa ~ 108kPa

Storage temperature
-20°C to +60°C

Dimensions
215mm×68mm×32mm

Weight
220g (including battery)

DC output
Voltage 15mV/dB, range 450mV ~ 1950mV

AC output
RMS 2V

*only applicable to CR:310 model

Product ordering codes and available accessories

Basic class 2 sound level meter	CR:308
Class 2 integrating sound level meter	CR:310
Portable thermal printer for use with CR:310	PR:311
Acoustic calibrator	CR:514
Carry case for meter, calibrator and portable printer	CK:380
CR:308 sound level meter kit, including meter, calibrator and case	CK:381
CR:310 sound level meter kit, including meter, calibrator and case	CK382
Microphone windshield	UA:30X
Carrying pouch	CP:65