CR:308 & CR:310
Entry Level Sound Level Meters

CR:308

CR:310

The all new Cirrus CR:308 and CR:310 sound level meters are Class 2 devices that provide basic, entry-level noise measurements for a variety of applications. These meters have been designed to meet the latest international standards and provide results that are reliable and accurate.

Applications

- Simple noise testing
- Machine and factory noise measuring
- Noise ordinance surveying
- Fire alarm testing

Both variants (308 and 310) provide Sound Pressure (SPL) and Maximum Sound Level (Lmax) and Cpeak measurements and can display A or C frequency weightings, and fast and slow time weightings, which many other basic sound level meters cannot do.

The CR:310 provides the extra benefit of allowing measurements to be made that include integrated average noise measurements (Leq) and the overall dose (LEq8h), which can be used to perform basic workplace noise assessments. CR:310 measurement values can be printed using the optional printer.

The CR:308 is a general purpose digital sound level meter, designed to IEC 61672 to Class 2. The instrument has 'F' (fast) and 'S' (slow) time response and 'A' and 'C' frequency weightings. Additional features include max and min hold for the duration of the measurement, and LCpk and limit threshold, which you can set to indicate if the threshold you have set, has been exceeded.

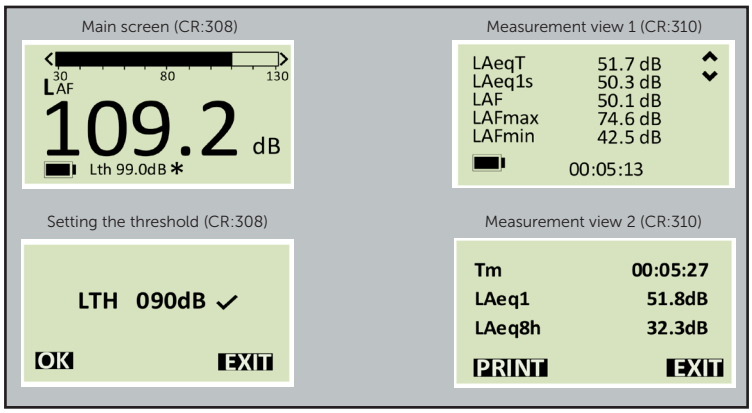
With the exception of the threshold indication, the CR:310 includes the features of the CR:308, with the addition of increased measurement capability, including integrating averaging, and the ability to print results directly from the meter.

Key features:

- Simple to use
- Clear, backlit graphical LCD display
- A, C frequency and F, S time weighting measurements provided
- LMax and Cpeak measurements available
- Custom adjustable noise level threshold (CR:308)
- Overall measurements include Leq and LEq8h (CR:310)
- DC and AC out
- Long battery life

If you're new to the world of noise measurement or simply need to record basic sound level data, the CR:308 and the CR:310 are the ideal instruments to get you started. The CR:308 and CR:310 will do exactly what you need them to: no more, no less. With no complicated displays or menus, these instruments can get you monitoring noise and protecting people from the dangers of excessive noise quickly and easily.

The CR:308 and CR:310 at a glance



Part numbers and accessories

Part number	Description	Optional calibration and certificate
CR:308	Class 2 sound level meter	RCAL:CR308
CR:310	Class 2 sound level meter	RCAL:CR310
PR:310	Thermal printer for use with CR:310	
CR:514	Acoustic calibrator	
CK:380	Carry case for meter, calibrator and printer	
CK:381	CR:308 kit including case, meter and calibrator	
CK:382	CR:310 kit including case, meter and calibrator	
UA:30X	Spare windshield	RCAL:CR308
CP:65	Carrying pouch (sound level meter and calibrator)	RCAL:CR310

Specifications

Standards	IEC 61672-1:2013 Class 2	**Electrical inputs**	5V power in via mini USB
Measurement range	30 dB (A) ~ 130 dB (A) 40 dB (C) ~ 130 dB (C)	**Power**	2 x AA/LR6 1.5V batteries Or 5V DC via Mini USB
Frequency weighting	A and C	**Battery life**	24 hours
Time weighting	Fast (F) and (S)	**Microphone**	½" pre-polarised electret condenser type HY:205
Display functions	Normal, maximum, minimum, C peak	**Operating temperature**	0°C to +40°C
Measurement functions	LAF, LAS, LCF, LCS, LCpk Leq (CR:310), LEq8h (CR:310)	**Operating humidity**	25% ~ 90%
Noise floor	< 25 dB (A)and 35 dB (C)	**Atmospheric pressure**	65 kPa ~ 108kPa
Display flags	Threshold limit, overload, under-range	**Storage temperature**	-20°C to +60°C
Auto calibration range	±4.5dB	**Dimensions**	215mm×68mm×32 mm
Reference point	94dB (1kHz), 92.9dB (8kHz)	**Weight**	220g (including battery)
Setting time	60s	**Electrical outputs**	AC (Tip 3.5mm jack) and DC (middle 3.5mm jack)
Display	Backlit 128×64 LCD, resolution 0.1 dB	**DC output**	voltage 15mV/dB, range 450mV ~ 1950mV
Resolution	0.1 dB	**AC output**	RMS 2V

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dedicated to noise measurement

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