



CR:306 sound level meter

- > A simple Sound Level Meter for basic noise level measurements and spot checks
- > Class 2 Sound Level Meter to IEC 61672:2002-1 & Type 2 to IEC 60651:1979
- > dB(A) & dB(C) Frequency Weightings
- > Fast Time Weighting with Maximum Hold (L_{AFmax} or L_{CFmax})
- > Measurement range of 35dB(A) to 130dB(A)
- > Windshield included as standard



The CR:306 is a general purpose digital sound level meter which meets the full requirements of IEC 61672 to Class 2. The instrument has 'F' (Fast) response and both 'A' and 'C' frequency weightings. In addition facilities are provided to hold the maximum reading occurring during the measurement period.

The CR:306 allows noise levels to be checked quickly and simply, with the large display showing the Sound Level (SPL) with the standard dB(A) frequency weighting. dB(C) Frequency Weighting is also provided.

The instrument has two measurement ranges, and can measure from 35dB(A) to 130dB(A). The maximum hold function allows the unit to freeze the display showing the highest level measured. This can be used where the allowable level is given in terms of a maximum (L_{AFmax} or L_{CFmax}).

Applications

The CR:306 is the ideal instrument for basic noise surveys and can be used for measurements such as vehicle noise checks, workplace spot checks, fire alarms and audible warning systems as well as the installation of sound systems.

There are also many applications where a Sound Level Meter can be useful but where a high specification instrument would be too costly. In these situations, the CR:306 becomes a simple low cost addition for service engineers.





CR:306

sound level meter

Ordering Information

The CR:306 Sound Level Meter is supplied as standard with a 24 month warranty, operating manual, a certificate of calibration, battery, calibration screwdriver and a windshield.



The instrument can be ordered as a complete measurement kit which includes all of the accessories needed to carry out a noise measurement. The CK:306 Measurement Kit contains the CR:306 Sound Level Meter, a CR:514 Acoustic Calibrator, a UA:239 Windshield and a CP:65 Carrying Pouch. The kit also includes certificates of calibration and operating manuals along with batteries for both the Sound Level Meter and the Acoustic Calibrator.

specifications



Applicable standards:	IEC 61672:2002-1 Class 2 IEC 60651:1979 Type 2 I
Measurement Range:	35dB(A) to 130dB(A), 40dB(C) to 130dB(C)
Range Information:	L (Low) = 35dB(A) to 100dB(A) H (High) = 65dB(A) to 130dB(A)
Frequency Weighting:	dB(A) & dB(C) to IEC 61672:2002-1 Class 2
Time Weighting:	Fast to IEC 61672:2002-1 Class 2
Display Functions:	Normal (Sound Level), Maximum Hold
Measurement Functions:	L_{AP} L_{CP} L_{AFMax} L_{CFMax}
Display Flags:	Overload (Green Light), Under range (Red Light) Maximum Hold (HOLD), Low battery (LOWBAT)
Display:	3 ½ digit LCD with 0,1dB Resolution
Outputs:	AC Out Max output = 2V
Power:	1 x 9V (6F22, PP3), External DC Power, 7V to 10V
Microphone:	½" pre-polarised electret condenser (Typically Type MK:268)
Temperature:	Operating: -10°C to +50°C, Storage: -20°C to +60°C
Dimensions:	Length 248mm, Width 66mm, Depth 30mm
Weight:	227 gms (8oz) with battery
CE classification: EMC Safety	EN50081-1, EN 50082-1 EN 61010-1, 1993 portable equipment pollution category 2



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CR:306/04/07/01