CASTLE GA600 CALIBRATOR SERIES

vibration

noise

GA601: Single Level Calibrator
(IEC 60942:2003 Class 2/C)

Most Measurement codes of practice and good practice demand that an independent acoustic calibration of any sound level meter should be made before and after a series of measurements and the Castle GA601 provides just that facility. It produces a calibration tone of 1000Hz at a level of 94dB re 20µPa at the microphone. It is supplied with a ½" cavity.



GA607: Dual Level Calibrator
(IEC 60942:2003 Class 1/C)

Similar to the GA601 in design, the GA607 meets the demanding standards of a class 1 calibrator. It features two calibration levels, 94dB and 104dB re 20µPa both at 1kHz. It is for use with 1/2" microphones. Using the GA607, a sound level meter can be checked at two meter scale points and usually on two ranges. Supplied with GA690 barometer (see spec below)



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Specifications

General: Nominal Sound Pressure level at 101.3kPa (760mm Hg), 23º & 50%RH, Tolerance: ± 0.3dB, Harmonic Distortion: < 3%, Temperature range: -10°C to 50ºC. Batteries: 2 x 3V CR2032 (Coin Cell) Life: approx. 70 hours. Cavity diameter: ½" microphone standard, Dimensions: Length: 140mm, Diameter: 51mm, Weight: 230gms

GA601: 94dB relative to 20µPa
Built to the requirements of IEC60942:2003 Sound Calibrators, Class 2/C.

GA607: 94dB or 104dB relative to 20µPa
Built to the requirements of IEC60942:2003 Sound Calibrators, Class 1/C.



GA690: Barometer
For use with GA601 or GA607

IEC 60942 states that for a calibrator to be used in the Class 1 category, it must be corrected for barometric pressure. The Castle GA690 barometer is supplied with the GA607 Class 1/C calibrator for just this purpose. With a simple readout on the clear display and a correction table printed on the reverse, this is a simple process. Can also be purchased for use with the GA601

GA690 Specifications

Measuring Range:	0 to 1300mbar (0 to 975mmHg)
Resolution:	1mbar, 1mmHg
Accuracy:	±0.25% FS hysteresis and linearity
Battery:	9V Alkaline type 6LR61 (PP3)
Battery life:	Greater than 2500 hours
Dimensions:	106 x 67 x 30mm (LxWxH)
Weight:	135g incl. battery

Castle advanced sound solutions

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