

# CASTLE GA600 CALIBRATOR SERIES

## **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 1/2" 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)



### Specifications

**General:** Nominal Sound Pressure level at 101.3kPa (760mm Hg), 23° & 50%RH, Tolerance: ± 0.3dB, Harmonic Distortion: < 3%, Temperature range: -10°C to 50°C. Batteries: 2 x 3V CR2032 (Coin Cell) Life: approx. 70 hours. Cavity diameter: 1/2" 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

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



vibration



noise



INVESTOR IN PEOPLE



**Castle**  
advanced sound solutions





Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



**UK Office**

**Keison Products,**

**P.O. Box 2124, Chelmsford, Essex, CM1 3UP, England.**

**Tel: +44 (0)330 088 0560**

**Fax: +44 (0)1245 808399**

**Email: [sales@keison.co.uk](mailto:sales@keison.co.uk)**

Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.