



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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3M Personal Safety Division
3M™ AcoustiCal AC-300 Calibrator



Simple, One-Step Acoustic Calibrator



Precise.

- Specifically designed for field calibration of 3M sound level meters and noise dosimeters across a wide range of temperature, humidity and pressure conditions
- Produces two signals, 250 Hz or 1,000 Hz at a sound pressure level of 114 dB

Quick.

- Simply insert the microphone of your instrument, select the correct signal from the one-button keypad, and calibrate

Reliable.

- Conforms to the requirements of IEC 60942 (2003-01) for sound calibrators and ANSI S1.40-2006 (R2011): specifications and verification procedures for sound level meters

To find out more about 3M Detection Solutions products, see www.3M.com/Detection.

The power to protect your world.™

3M

Calibration Made Easy

One-button simplicity

- Single On/Off/Function key assures ease of use.
- Makes calibrations fast and trouble-free.

Conforms to standards

- Enables confident use in a wide range of applications and conditions.
- Meets the requirements of IEC 60942 (2003) for sound calibrators and ANSI S1.40-2006 (R2011) for sound calibrators.



Designed for efficient operation

- Low battery icon indicates when replacement is needed, to help prevent service interruption.
- Auto-OFF function powers down 4 minutes after last key press, reducing power drain and maximizing battery life (approximately 18 hours).

Specifications

Conformance to Standards

ANSI S1.40-2006 (R2011)	Specifications and Verification Procedures for Sound Calibrators
IEC 60942 (2003)	Electroacoustics, Sound Calibrator/Class 1
CE, RoHS, WEEE, C-Tick	

Physical Characteristics

Size:	3.9" (L) x 2.3" (W) x 1.8" (D) / 10 cm (L) x 5.8 cm (W) x 4.6 cm (D)
Weight:	6 oz (0.17 kg)

Outputs

Frequency:	250 Hz and 1,000 Hz, +/- 0.5% with expanded uncertainty in environmental conditions
Sound pressure level:	114.0 dB re 20µPa (1 Pa = 1 N/m ²)

Power

Battery type:	1 x 9v alkaline battery (ANSI/NEDA 1604A, IEC 6LR61)
Battery life:	Approx. 18 hours (@ 1 kHz)

Operating Environmental Conditions

Temperature range:	14°F to 122°F (-10°C to 50°C)
Pressure range:	65kPa to 108kPa (19 to 32 inches of Hg) Approximate 11,500 ft to -2,000 ft elevation relative to sea level (3,500 m to -600 m)
Relative humidity range:	10% to 90%, non-condensing

Storage Environmental Conditions

Temperature range:	-4°F to 149°F (-20°C to 65°C) with battery removed
Storage humidity range:	0% to 90%, non-condensing

Product No.	Description	3M ID
AC-300	AcoustiCal Calibrator	70-0716-0829-6



Personal Safety Division

3M Detection Solutions
ISO 9001 Registered Company
ISO 17025 Accredited Calibration Lab
1060 Corporate Center Drive
Oconomowoc, WI 53066

3M Detection Solutions: Brilliantly Intuitive

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Toll-free: 800-245-0779
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