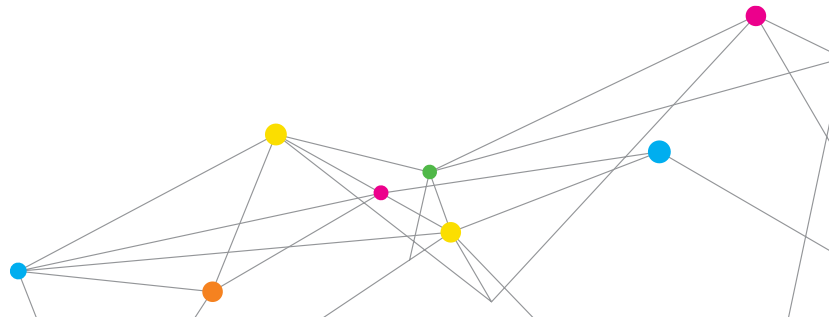# ACOUSTICAL AC-300
CALIBRATOR

The Acoustical AC-300 Calibrator is specifically designed for field calibration of Quest sound level meters and noise dosimeters across a wide range of temperature, humidity and pressure conditions.

Features and Benefits

+ Produces two signals, 250 Hz or 1,000 Hz at a sound pressure level of 114 dB
+ Simply insert the microphone of your instrument, select the correct signal from the one-button keypad, and calibrate
+ 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

TSI | QUEST™

ACOUSTICAL AC-300 CALIBRATOR

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

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	

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/m2)

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 HumidityRange	0% to 90%, non-condensing

Specifications are subject to change without notice.

Quest is a trademark, and TSI and the TSI logo are registered trademarks of TSI Incorporated.

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

One-button simplicity

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

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)