



MODEL CAL1250

MULTI-FREQUENCY ACOUSTIC CALIBRATOR

- Output level: 94 dB or 114 dB
- Output frequency: 251.2 Hz or 1000 Hz
- Adapters for 1", ½" & ¼" microphones included
- Optional adapters for ⅜" and ⅙" microphones
- Meets IEC 60942:2017 and ANSI S1.40-2006 Class 1 requirements
- Includes rechargeable lithium battery
- Displays temperature, humidity, and barometric pressure on OLED display
- Includes valid ISO 17025 compliant calibration certificate

TYPICAL APPLICATIONS

Field or laboratory calibration of:

- Sound level meters
- Noise dosimeters
- Precision microphones
- Multi-point field validation

IEC 60942 CLASS 1 CALIBRATOR

Larson Davis Acoustic Calibrator Model CAL1250 is a battery-operated precision microphone calibrator used for the calibration of sound level meters and other sound measurement equipment with 1" and smaller microphones. CAL1250 provides an output level of either 94 dB or 114 dB at 251.2 Hz or 1000 Hz. The four combinations of frequency and level make the CAL1250 a great choice for extended field validation of instruments.

The CAL1250 includes a rugged carrying case but fits in any case designed to include the CAL1150 or CAL1200. Adapters for 1/2" and 1/4" microphones are included with optional adapters for 3/8" and 1/8" microphones available.

In support of sustainable practices, the CAL1250 includes a user replaceable lithium battery rechargeable by USB. Designed with an integrated reference microphone, the CAL1250 produces an accurate output in varied operating conditions.

In addition to offering precision acoustic calibrators for field calibration of sound measurement equipment, Larson Davis offers factory calibration services for our products through the CAL+ program. CAL+ service includes a complete multi-point factory test, free firmware upgrade to the latest version where applicable, labor warranty extended for one year^[1], worn consumables replaced at no charge^[2], and more. Contact us for details.

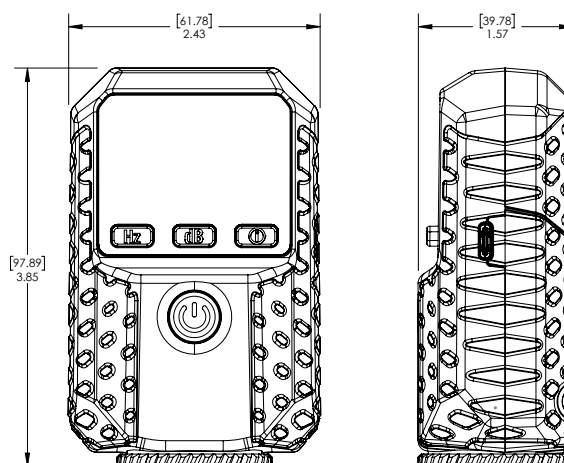
[1] Requires regular annual factory calibration. Limited to seven (7) years

[2] Windscreen, O-rings, desiccants, fuses, for example

SPECIFICATIONS		
Frequency	251.2 Hz ± 1 Hz or 1000 Hz ± 1 Hz	
Calibration Sound Pressure Level	94.0 dB or 114.0 dB ± 0.2 dB	
Minimum Stabilizing Time	10 s after coupling microphone and calibrator	
Environmental		
Temperature Range	14 °F to 122 °F (-10 °C to 50 °C)	SPL variation < ± 0.2 dB Frequency variation <± 1 Hz
Static Pressure Range	650 hPa to 1080 hPa	
Humidity Range	10% to 90% RH non-condensing	
Storage Temperature	-40 °F to 140 °F (-40 °C to 60 °C)	
Physical		
Dimensions (L x W x H)	3.85 x 2.43 x 1.57 in (98 x 62 x 40 mm)	
Weight	5.5 oz (156 g)	
Charging Connector	USB-C	
Power Supply		
Replacement Lithium Battery	BAT027	
Operating Time	10 hours (typical)	
Charge Time	3.5 hours (typical)	
Minimum USB Supply Current	500 mA	
Compliance		
Safety	IEC 61010-1:2017	
Acoustic	ANSI S1.40-2006, Class 1 IEC 60942:2017, Class 1	
EMC	Directive 2014/30/EU	
CE	Yes	
ROHS	Directive (EU) 2023/1437	
Supplied Accessories		
ADP117	1" microphone adaptor for CAL1250 only	
ADP118	½" microphone adaptor for CAL1250 only	
ADP119	¼" microphone adaptor for CAL1250 only	
CCS064	Transportation and storage case	
CBL242-03	USB charging cable (USB-C to USB-C) with included USB-C to USB-A adaptor	
Optional Accessories		
ADP120	⅛" microphone adaptor for CAL1250 only	
ADP121	⅜" microphone adaptor for CAL1250 only	



CAL1250 with Case & Adaptors



CAL1250 Dimensions