



## 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 ⅛" 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

## 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<sup>[1]</sup>, worn consumables replaced at no charge<sup>[2]</sup>, and more. Contact us for details.

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

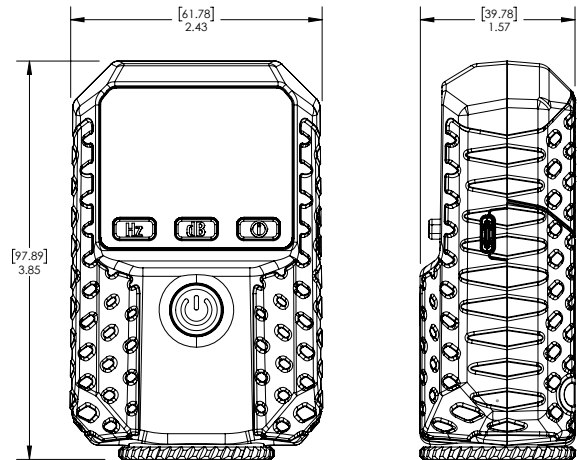
[2] Windscreen, O-rings, desiccants, fuses, for example

**Preliminary**

SPECIFICATIONS	
Frequency	251.2 Hz $\pm$ 1 Hz or 1000 Hz $\pm$ 1 Hz
Calibration Sound Pressure Level	94.0 dB or 114.0 dB $\pm$ 0.2 dB
Minimum Stabilizing Time	10 s after coupling microphone and calibrator
<b>Environmental</b>	
Temperature Range	14 °F to 122 °F (-10 °C to 50 °C)
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)
<b>Physical</b>	
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
<b>Power Supply</b>	
Replacement Lithium Battery	BAT027
Operating Time	10 hours (typical)
Charge Time	3.5 hours (typical)
Minimum USB Supply Current	500 mA
<b>Compliance</b>	
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
<b>Supplied Accessories</b>	
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
<b>Optional Accessories</b>	
ADP120	⅜" microphone adaptor for CAL1250 only
ADP121	⅝" microphone adaptor for CAL1250 only



**CAL1250 with Case & Adaptors**



**CAL1250 Dimensions**