



MODEL CAL1150

PRECISION ACOUSTIC CALIBRATOR

- Output level: 94 dB or 114 dB
- Output frequency: 1000 Hz
- ½" microphones natively supported
- Optional adapters for ⅛", ¼", and ⅜" microphones
- Meets IEC 60942:2017 and ANSI S1.40-2006 Class 2 requirements
- Includes rechargeable lithium battery
- Includes valid ISO 17025 compliant calibration certificate

TYPICAL APPLICATIONS

Field or laboratory calibration of:

- Class 2 Sound level meters
- Noise dosimeters (pictured top right)

IEC 60942 CLASS 2 CALIBRATOR

Larson Davis Acoustic Calibrator Model CAL1150 is a battery-operated precision microphone calibrator used for the calibration of sound level meters and other sound measurement equipment with ½" and smaller microphones. CAL1150 provides an output level of either 94 dB or 114 dB at 1000 Hz.

The CAL1150 is a lower cost option for calibration of Class 2 sound level meters and personal noise dosimeters. It should not be used for calibrating class 1 devices.

In support of sustainable practices, the CAL1150 includes a user replaceable lithium battery rechargeable by USB. Designed with an integrated reference microphone, the CAL1150 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.

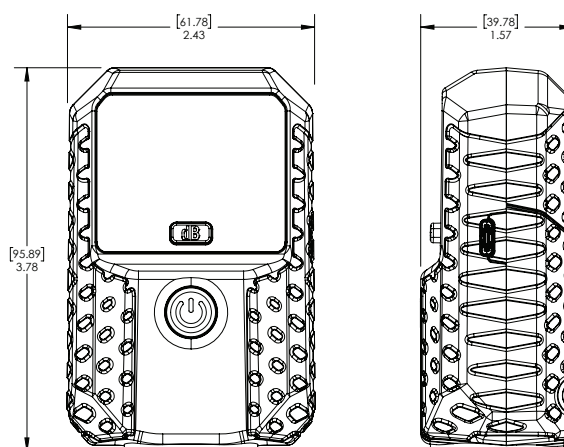
[1] Requires regular annual factory calibration. Limited to seven (7) years

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

SPECIFICATIONS		
Frequency	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	15 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 2 IEC 60942:2017, Class 2	
EMC	Directive 2014/30/EU	
CE	Yes	
ROHS	Directive (EU) 2023/1437	
Supplied Accessories		
CBL242-03	USB charging cable (USB-C to USB-C) with included USB-C to USB-A adaptor	
Optional Accessories		
ADP109	¼" microphone adaptor	
ADP031	⅜" microphone adaptor	
ADP075	½" microphone adaptor	
CCS064	Transportation and storage case	



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CAL1150 Dimensions