



Casella CEL

Casella dBadge2 IS, Standard Personal Noise Dosimeter

Pine Item #55110 & 56002

DESCRIPTION:

Transmit sound level measurements through Bluetooth® 4.0 wireless connectivity to increase productivity - no need to stop working to download readings! Dose, status, level alerts and more can be accessed through the free Airwave™ app and sent directly to your Apple or Android enabled device.

Casella's dBadge2 noise dosimeters capture every possible noise exposure related parameter in a single measurement run and make it available for subsequent download and analysis. Email summary data, photographs, and even notes for review or inclusion in reports.

FEATURES:

- Intrinsically Safe
- Long Battery Life 35 Hours
- 300 Hours of Run Data
- Multiple 'simulated' dosimeters
- Full-color display
- Pause function
- Bluetooth Airwave software to check to monitor remotely
- Measures all noise dose parameters simultaneously

APPLICATIONS:

- Complete shift exposure measurements
- Task-based measurements
- Measurements in accordance with CFR 1910.95 (USA), ISO9612:2009, L108 Controlling Noise at Work.
- Selection of hearing protection



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Product Specifications

Standards	ANSI S1.25, 1991 R2007, IEC 61252 Ed 1.1 (2002-3)
Linear Operating Range	55.0-140.3 dB (A) RMS
Peak Measurement Range	90.0-143.3dB (C or Z weighted),
Sound Exposure Range	0.0- 6,100.0 Pa ² Hours
Frequency Weightings	A, C and Z, Type 2
Time Weightings	Fast, Slow and Impulse
Exchange Rate	Q=3 or Q=5dB exchange rates
Threshold and Criterion	70-90dB in 1dB steps
Operating Temperature Range	0°C to +40°C (for $\pm 0.5\text{dB}$ error limit)
-10°C to +50°C (for <math>\pm 0.8\text{dB}</math> error limit)	
Ambient Pressure Range	$\pm 0.5\text{dB}$ over 85 - 112kPa,
Humidity Range	$\pm 0.5\text{dB}$ over 30% - 90% (non-condensing),
Storage Temperature Range	-10°C to +50°C,
Battery	Internal NiMH, 800mAH
Run Time	Typically 35 hours using Broadband Mode
Typically 15 hours using Octave mode	
Charge Time	<6 Hours from fully discharged
Maximum Run Duration	24 hours
Maximum number of Runs	100
Storage Capacity	Internal USD Flash memory - 300 hours
of run data (including 1-second profile data) and	
up to 90 minutes of event audio recording.	
PC Interface	USB 2.0 Full speed 12Mbps via Docking Station.
Dimensions	85L x 54W x 55H mm
Weight	117g
Environmental I.P. Rating	IP65 (with permeable air vent)



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