Casella CEL

# Casella CEL-350IS dBadge Personal Noise Dosimeter

Pine Item #54502

## DESCRIPTION:

The CEL-350 dBadge Series is the first compact noise badge product to be designed with a display. This internal display makes it easy to perform calibration, provides status information and shows key measured data.

The dBadge has a unique 'fuel gauge' to display memory and battery status, ensuring the exact remaining battery and memory capacity can be viewed on the display. Also, a unique feature of the dBadge is the alarm function.

## FEATURES:

- Intrinsically Safe
- 28-hour battery life fully charges in 90 minutes
- Simple auto-calibration function
- Run duration timers
- Simultaneous 'C' and 'A' weighted measurements
- Large memory capacity 180 hours
- Compact, rugged (rubber over-molded) design weighs only 71g
- No cables to damage or get in the way

## APPLICATIONS:

- Complete shift exposure measurements
- Task-based measurements
- Measurements according to ISO9612: 2009
- Selection of hearing protection
- Measuring personal noise exposure
- Ensuring compliance with Workplace Noise Regulations

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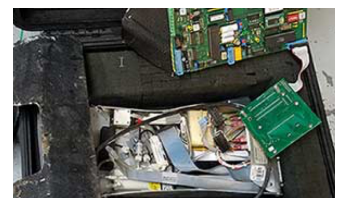| | |
|---|---|
| **Linear operating range** | 65.0 to 140.3dB RMS |
| **Peak measurement range** | 95.0 to 143.3dB Peak |
| **Frequency weightings RMS** | A (and 'C' on CEL-352) |
| **Frequency weightings Peak** | C, A, Z (Linear) |
| **Time weightings** | Slow, Fast & Impulse |
| **Amplitude weightings** | Q=3 & Q=5 |
| **Selectable thresholds** | 2 (70 to 90dB), selectable in 1dB steps |
| **Selectable criterion** | 1 (70 to 90dB), selectable in 1dB steps |
| **Memory capacity** | (180 Hours of measurements) |
| **Default modes** | ISO or OSHA |
| **Calibration information** | Calibration dates, times and levels |
| **Run duration timer** | Selectable up to 12 hours in 30min intervals |
| **Security** | Lock via keys |
| **Power supply** | Internal NiMH cells |
| **Battery life** | 28 Hours run capacity |
| **Size mm (in)** | 80x47x52 (3.1x1.8x2.0) inc windshield |
| **Weight g (oz)** | 71g (2.5) |
| **Data storage** | Non-volatile, 10 years of storage |
| **Display** | Graphic LCD 96 x 26 pixels |
| **Output (PC)** | Infra-red to USB (PC) cable to Insight Software |

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**Rental Protection Plan**