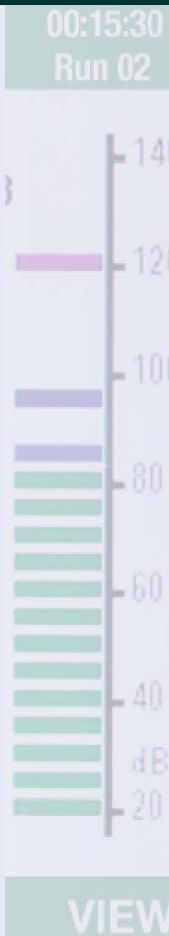




The World's Smallest Noise Real- Time Frequency Analyser - Now with 1/3 Octave and Ln%!



KEY FEATURES

- Compact, rugged design
- Simple operation
- Single large measurement range
- Large memory
- High resolution colour display
- Real-time 1/3 octave band analysis
- Measures 5x Ln% values
- Simultaneous measurement of all workplace & environmental noise parameters
- Pre-defined and user configurations available
- Automatic calibration function

CEL-621

Environmental Sound Level Meter

INTRODUCTION

The CEL-600 series sound level meters use the latest digital technology to give standards of performance never seen in such a compact design.

Using a high resolution colour TFT display, the CEL-600 series is specifically designed to ensure that taking noise measurements is quick and easy. Different models are available depending on your requirements for use in general environmental noise measurements, up to full frequency analysis in 1/3 octave bands.

CEL-621

Environmental Sound Level Meter

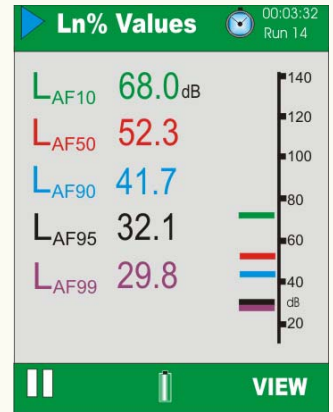


Features

The CEL-621 further develops the success of the CEL-620 intended for the occupational user. Statistical parameters ($L_n\%$) are now included in order to perform environmental noise assessments. Five $L_n\%$ values are simultaneously measured and the percentage values can be adjusted to particular requirements.

A choice of frequency analysis in Octave (16Hz - 16kHz) or 1/3 Octave (12.5Hz - 20kHz) is available. Analysis is performed in real-time using a single measurement range to 140dB, ensuring no range adjustments are required for either broadband or frequency based measurements.

The CEL-621's highly intuitive user interface is colour coded to make noise measurements easy making it the ideal tool for hand-held environmental noise measurements. The CEL-621 has a USB interface, where data is stored in a Microsoft Excel^(TM) ready format. Alternatively data can be downloaded using bespoke software.



Measured Parameters

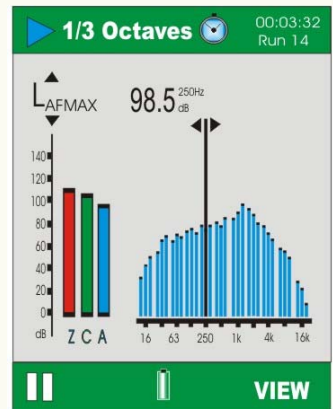
CEL-621A

L_{XY} , L_{XYmax} , L_{XYmin} , L_{Xeq} , L_{Xpeak} , L_{avg} , L_C-L_A , L_{Xleq} , L_{TM3} , L_{TM5} , L_{AE} , 5X $L_n\%$

CEL-621B & C Models have additional parameters on both 1/1 and 1/3 Octave:

L_{XY} , L_{Xeq} , L_{XYmax} , 5X $L_n\%$

Where X is the frequency weighting A, C or Z and Y represents time weighting Fast (F), Slow (S) or Impulse (I). All weightings simultaneously measured where appropriate.



Ordering Information

- CEL-621A1: Precision Integrating Digital Sound Level Meter (Class 1)
- CEL-621B1: Precision Integrating Octave Band Sound Level Meter (Class 1)
- CEL-621C1: Precision Integrating 1/3 Octave Band Sound Level Meter (Class 1)

- CEL-621A2: Integrating Digital Sound Level Meter (Class 2)
- CEL-621B2: Integrating Octave Band Sound Level Meter (Class 2)
- CEL-621C2: Integrating 1/3 Octave Band Sound Level Meter (Class 2)

All instruments and calibrators are provided with calibration certificates. Casella CEL also has a UKAS calibration facility if required.

INSTRUMENT KITS

Complete kits are available with acoustic calibrator (CEL-110), kit case, windshield, instruction manuals and USB cable. For a complete instrument kit add /K1 to the part number e.g. CEL-621B1/K1. A typical instrument kit is pictured on the right.



Distributed By:



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Think Environment Think Casella



Thank you for reading this data sheet.

For pricing or for further information, please contact us at our UK Office, using the details below.



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Please note - Product designs and specifications are subject to change without notice. The user is responsible for determining the suitability of this product.