



The **2238 Mediator** can measure and log all relevant noise parameters using two independent frequency weighted detectors. The Mediator scans all frequencies from 20 Hz to 12.5 kHz for 1/3-octave band and 31.5 Hz to 8 kHz for 1/1-octave bands.

The software package allows you to select up to ten parameters for logging and subsequent analysis on a PC.

Specifications:

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| Standards | : IEC 651 – 1979 Type 1 : EN 60651 Type 1 : IEC 804 – 1985 Type 1 : EN 60804 Type 1 : Draft IEC 1672 / EN 61672 –March 1998 Class 1 : ANSI S1.4 – 1983 Type S1 |
| Microphone | : Type 4188 Prepolarized Free- field (0.5") : Condenser Microphone. |
| Nominal Sensitivity | : -30 dB |
| Frequency Range | : 8 Hz – 16 kHz ±2 dB |
| Capacitance | : 12 pF (at 250 Hz) |
| Measuring Ranges | : A, 25 - 140 dB : C, 27 - 140 dB : Linear, 33 - 140 dB |
| Indicator Ranges | : 80 dB, adjustable to give full-scale readings from 100 to 140 dB in 10 dB steps |
| Max. Peak Level | : 3 dB above full-scale reading |
| Crest Factor = 10 | : 17 dB below full scale reading |
| Memory | : 2 Mbytes, up to 500 measurements can be stored, including time stamp, complete set-up and calibration data. |
| Power | : 4 x 1.5V "AA" batteries |
| Battery Life | : 6 to 8 Hrs |
| Dimensions | : 25.7 cm x 9.7 cm x 4.1 cm (10.5" x 4" x 1.75") |
| Weight | : 460 g (1 lb.) |

Features:

- Two independently frequency-weighted detectors measure RMS/RMS or RMS/Peak
- F, S and I time weightings are simultaneously available for RMS signals
- Statistics include level distribution and seven user selected Lin values
- Back-erase function allows instant deletion of unwanted data
- The Mediator's two input/output jacks can be used for any combination of functions including external DC input, trigger input, trigger output, AC output and DC output
- 2 Mbytes, up to 500 measurements can be stored, including time stamp, complete set-up and calibration data

Applications:

- Environmental noise monitoring
- Noise measurements in work areas
- Evaluating the effects of noise reduction, soundproofing material
- Selecting hearing protection to match frequency contents

Accessories:

- **Standard**
- 94 dB calibrator
- Carrying case
- Manual

