

MI 6301 FonS

The MI 6301 FonS is a professional sound analyser for sound measurements in accordance with EN 61672 standard Class 1 or Class 2. The MI 6301 contains usual A, C and Z frequency weightings and fast, slow and impulse time weightings and in addition the instrument has 2 independent measuring channels which can be set to different weightings. The MI 6301 FonS is ideal for spot checking different locations or performing long term analysis of an area. The PC software SoundLink LITE included in the standard set enables downloading, review, export and printing of test results while the optional PC SW SoundLink PRO enables full data analysis, charting and report generation.

MEASUREMENTS:

- LX_Y (Time weighted sound level);
- LX_{eq} (Time average sound level);
- LX_{Ymax} (Maximum time weighted sound level);
- LX_{Ymin} (Minimum time weighted sound level);
- LX_{peak} (Peak sound level);
- LX_E (Sound exposure level);
- Percentile sound pressure level;
- Real time 1/1 octave analysis;
- Real time 1/3 octave analysis.

KEY FEATURES:

- **Adaptable:** the instrument can simultaneously measure and calculate 19 different sound parameters (displaying maximum 6 at the same time).
- **Weighting:** A, C, Z frequency weightings and fast, slow and impulse time weightings in accordance with EN 61672 standard.
- **Dual measuring:** two independent sound measuring channels that can be set to different time and weighting settings.
- **Octave frequency analysis:** instrument performs real time octave and one third octave frequency analysis in accordance with EN 61260 standard.
- **Long lasting:** record up to 80 days worth of data.
- **Versatile:** can be used for spot checking of different locations or performing long investigations in a specific location.
- **One stop readings:** according to custom configuration instrument can display MAX, MIN, peak readings, equalised readings, channel 1 and channel 2 readings.
- **Logger:** logging memory module allows to save up to 2000 measurements with adjustable integration period.
- **Downloadable:** up to 2000 test results can be stored in the two level memory structure and then downloaded to the PC with the help of the PC software.



APPLICATION:

- Indoor or dry outdoor sound level measurement;
- Industrial sound measurement;
- Acoustic equipment testing;
- Band-pass and acoustic filter testing.

STANDARDS:

- Functionality:** EN 61672; EN 61260
- Electromagnetic compatibility:** EN 61326
- Safety:** EN 61010-1

KEY FEATURES



Sample of on-line reading data analysis with SoundLink PRO PC software.



Logged data analysis with SoundLink PRO PC software.

TECHNICAL SPECIFICATION:

| Function | Measuring range | Resolution | Accuracy |
|--------------------------------|---|------------|---------------------------------|
| Sound level (A 1146) | 30 dB ... 140 dB | 0.1 dB | Corresponds to EN 61672 Class 1 |
| Sound level (A 1151) | 30 dB ... 140 dB | 0.1 dB | Corresponds to EN 61672 Class 2 |
| Sound probes A 1146 and A 1151 | - Dynamic range: 80 dB - Frequency weighting: A,C, Zero - Time weighting: fast, slow, impulse | | |
| COM port | USB | | |
| Memory | 2000 values | | |
| Display | Graphical LCD with backlight, 160 x 160 dots | | |
| Power supply | 6 x 1.2 V rechargeable batteries, type AA | | |
| Protection degree | IP 40 | | |
| Dimensions | 110 x 85 x 220 mm | | |
| Weight | 0.56 kg | | |

STANDARD SET:

MI 6301EU

- Instrument FonS
- Carrying case
- Sound probe, class 2, with foam wind-screen
- Plastic shield for microphone
- Tripod adapter
- USB cable
- Power supply adapter
- 6 x NiMH rechargeable batteries, type AA

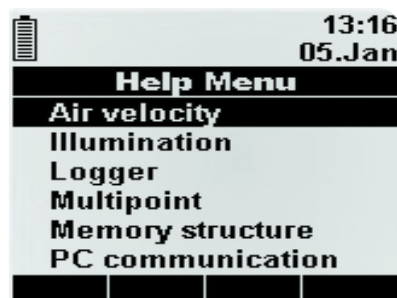
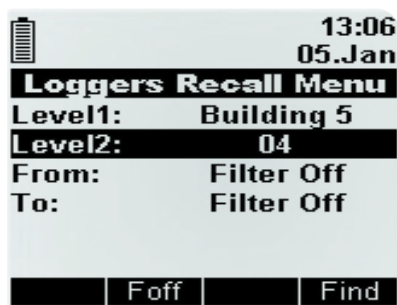
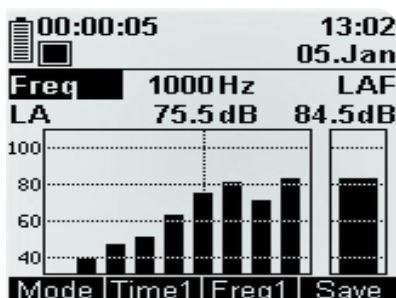
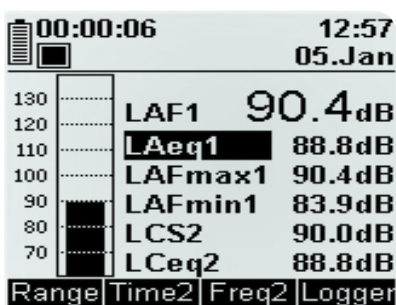
- PC SW SoundLink LITE
- Instruction manual
- Calibration certificate
- ISO calibration certificate for complete system

MI 6301PS

- MI 6301EU
- Sound probe, class 1 (A 1146) instead of Sound probe, class 2 (A 1151)



KEY FEATURES



Sound measurement, 1/1 and 1/3 octavian analysis.

Recalling of memory, sample of help menu.