

User manual

This manual contains important information on the safe operation of the device. Read and follow the safety advice and instructions given. Retain the manual for future reference. If you pass on the device please include this manual.

Safety instructions

Intended use

This device is used to measure and display sound pressure levels. Any other use or use under other operating conditions is considered to be improper and may result in personal injury or property damage. No liability will be assumed for damages resulting from improper use.

Danger for children



Ensure that plastic bags, packaging, etc. are disposed of properly and are not within reach of babies and young children. Choking hazard! Ensure that children do not detach any small parts from the product. They could swallow the pieces and choke! Never let children unattended use electrical devices.

Where to use the product

Never use the product

- in conditions of extreme temperature or humidity
- in extremely dusty or dirty areas
- at locations where the unit can become wet

General handling

- To prevent damage, never use force when handling the product.
- Never immerse the product in water. Just wipe it with a clean dry cloth. Do not use liquid cleaners such as benzene, thinners or flammable cleaning agents.
- Disconnect the device from the mains power supply when it is not in use.

Keep foreign substances from the unit!

Keep the device away from containers with liquids. Should any liquid get into the unit, this could lead to its destruction, fire or electric shock. Be sure not to let any metal objects into the unit.

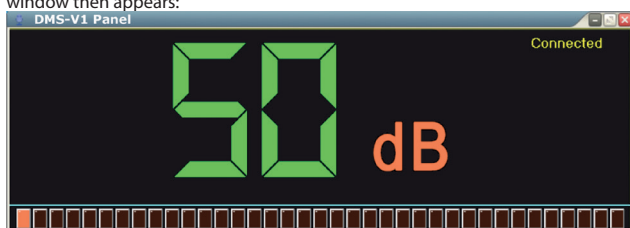
Features

- Level display in dBA or dBC
- Easy-to-read display thanks to two-colour LEDs
- Standalone operation or configuration and monitoring via the supplied PC software
- XLR mic input for included measuring microphone with 210 cm XLR cable

- USB-B port
- External 24 V \approx / 1 A plug-in power supply
- Measurement according to IEC-61672-1 class 2 standard
- Dimensions (W x H x D) 130 mm x 64 mm x 276 mm

Controls and functions

1. Connect the measuring microphone to the display device via the XLR socket.
2. Align the measuring microphone towards the sound source to be measured.
3. Connect the plug of the power supply cable to the DC IN socket on the display device. Connect the AC adapter to a properly wired electrical outlet. The device is ready for operation and displays the measured sound pressure level in the selected unit.
4. If a computer is to display the measured values or if you want to configure the device, the supplied software must be used.
5. Install the supplied software DMS-V1 Panel on a computer with Windows operating system and connect the device to a USB port of the computer. The following window then appears:



If the USB connection is recognized, "Connected" appears in the top right of the display, otherwise "Disconnected". The display shows the current sound pressure level in the selected unit, the display below works in the style of an LED VU meter.

6. Using the software, you can, amongst others, set a decibel limit (Alarm Threshold) from which onwards the display appears in red. You can also select the desired unit: dB (A), dB or dB (C).
7. The following parameters can be configured:
 - VU Refresh Time – Adjustment of the VU LED display's response time
 - Microphone offset (Mic Offset) – Adjustment of the microphone signal level
 - Alarm Threshold – If the threshold is exceeded, the exceeded value of the VU LED display is shown in red.
 - Automatic Detection of ambient light for brightness setting
 - Manual brightness adjustment of the numerical display (Brightness Number)
 - Manual brightness adjustment of the VU LEDs (Brightness VU)
 - Re-evaluation of the decibel value (Alarm Reset) – If the alarm threshold is activated, the time after which the decibel value is to be re-evaluated can be set here.

- Display duration of the decibel value (Alarm Show Time) – If the alarm threshold is activated, the period for which the exceeded decibel value is displayed can be set here.
- Self-check (Self Check)
- Save parameter (Save Parameter)
- Reset parameter to factory setting (Default Parameter)

Measuring mic



Display device



Power supply



For the transport and protective packaging, environmentally friendly materials have been chosen that can be supplied to normal recycling. Ensure that plastic bags, packaging, etc. are properly disposed of. Do not just dispose of these materials with your normal household waste, but make sure that they are collected for recycling. Please follow the notes and markings on the packaging.



This product is subject to the European Waste Electrical and Electronic Equipment Directive (WEEE) in its currently valid version. Do not dispose of your old device with your normal household waste. Dispose of this product through an approved waste disposal firm or through your local waste facility. Comply with the rules and regulations that apply in your country. If in doubt, consult your local waste disposal facility.