

#### BENEFITS IN PRACTICE:

Accuracy Class 2 according to IEC 61672

Frequency evaluation according to characteristic curve A and C

Minimum and maximum value memory

Memory for 50 measurement values

Selectable time evaluation (Fast/Slow)

Backlit display

Bar graph display

1/4-inch tripod thread

#### Our tip: Ultrasound for checking and determining leaks...



**Are you looking for a sound level meter which works in the ultrasound band to carry out quick and efficient leak checks on machine parts, seals and parts of buildings?**

The T700 is a premium quality measuring device "Made in Germany". It is designed to convert ultrasound into audible sound signals and provide you the user with precise and reliable measuring results. When used in combination with the ultrasound sender T710, the T700 is an extremely effective device for determining leaks in tanks and containers, as well as at seals and window frames, door seals and fire proof doors! In addition, the T700 can also be used for quick and contact-free detection of leaks in pressure systems.

To find out more about the T700 see catalogue page 38...

# SL300 Sound Level Meter

**For professional monitoring of noise levels in the workplace and industry and for measuring noise pollution**



**MultiMeasure  
PROFESSIONAL**

The easy-to-use, compact sound level meter is packed with state-of-the-art electrodynamic sound converter technology.

The SL300 fulfils the requirements for Accuracy Class 2 sound level instruments according to IEC 61672-1 as well as ANSI S1.4 and is excellently suited for documenting machine and environmental noise as well as noise in the workplace and for use by experts.

The SL300 is equipped with a backlight which makes the four-lined display and bar graph easy to read in all kinds of lighting conditions and all kinds of situations.

The SL300's A and C frequency evaluation, Fast/Slow time evaluation and a variety of practical functions make this device in the MultiMeasure Professional Series ideal for demanding sound level measurements.

There is also calibration certificate included in the SL300's standard scope of delivery. This is further clear evidence that the SL300 is a high-precision measuring device designed not only for use in the home, workplace and office but also for use by professionals.

And because the lightweight SL300 has a variety of useful functions and features and ergonomically arranged keys which can be used with one hand if necessary, it is only natural that it should become a part of the standard kit for users in industry and for workplace and noise protection.



**The SL300 – the user-friendly sound level meter for a wide variety of different applications:**

- Occupational health and safety workplace measurements
- Noise pollution measurements to determine environmental noise
- Determination of noise areas for noise reduction programs in firms and companies
- Checking and selection of hearing protection
- Checks to determine compliance of noise protection regulations
- HVAC control measurements



Trotec Tip: Detect noise pollution and keep it in check!  
The key rule for occupational health and safety ...

In the trade and industry sector, it would be fair to say that there are just as many potential health risks as there are fields of occupation.

Is the CO content in the ambient air within the permissible workplace threshold values?

How high is the concentration of solvents, paint thinners or other flammable gases in the surrounding air? Is there increased EMF radiation – and what about workplace illumination?

The emission meters in the Trotec MultiMeasure Basic Series are designed to give you all the answers you need.

Do you need to determine a threshold quickly and reliably, or do you want to carry out a quality check in the workplace? Then the devices in the MultiMeasure Basic Series are just the monitoring and measuring meters you have been looking for!

In addition to the small selection shown below, the MultiMeasure Basic Series comprises a variety of entry level handheld measuring devices that have been expertly optimised for semi-professional use.

*Interested? To find out more about the entire range of entry level measuring and monitoring devices, simply request our MultiMeasure Basic...*



BG20 Carbon Monoxide Meter

Art.-No. 3.510.205.060

For quick and reliable measurements of CO concentrations, e.g. in the workplace, in work and repair shops. Ideal for ensuring that statutory workplace thresholds are observed.

Maximum value indication, hold function, backlit display, alarm function, auto power off, memory for ten measurement values.



BG30 Gas Detector

Art.-No. 3.510.205.064

2-in-1 gas warning device and gas leak detector: The BG30 is able to detect natural gas, methane, ethane, propane, butane, acetone, alcohol, ammoniac, petrol, LPG, nitrogen sulphide, industrial solvents, paint thinner and other flammable gases.

Flexible 40 cm swan-neck sensor, optical and acoustic alarm, headphone jack socket.



BR15 Microwave Meter

Art.-No. 3.510.205.070

The easy-to-use BR15 is equipped with an optical and an acoustic alarm and is designed to detect high frequency appliances and electronic equipment which operate in the 2.45 GHz ISM band, eg. mobile phone networks or transmitter towers, cableless video transfer systems or DECT telephones, WLAN or Bluetooth.



BF05 Light Meter

Art.-No. 3.510.205.080

The easy-to-use BF05 allows you to measure the amount of light and light levels both indoors and out. The ergonomically-formed lux meter has long-life silicon photodiode, an IR filter, a max function and a backlit, easy-to-read digital display and is ideal for use in the workplace, exhibition construction and decoration, film sets and photo shoots and for performance checks of interior and exterior lighting systems.



| Technical data           | SL300 sound level meter                                                                                                                                                                                                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article no.              | 3.510.005.010                                                                                                                                                                                                          |
| Measuring range          | 30 - 130 dB                                                                                                                                                                                                            |
| Accuracy                 | Class 2 according to DIN EN 61672                                                                                                                                                                                      |
| Resolution               | 0.1 dB                                                                                                                                                                                                                 |
| Frequency range          | 31.5 Hz - 8 kHz                                                                                                                                                                                                        |
| Dynamic range            | 50 dB                                                                                                                                                                                                                  |
| Partial measuring ranges | 30 ... 80 dB, 50 ... 100 dB, 80 ... 130 dB, 30 ... 130 dB (auto)                                                                                                                                                       |
| Response time            | 500 ms                                                                                                                                                                                                                 |
| Power supply             | 9 V IEC 6F22                                                                                                                                                                                                           |
| Operating time           | > 30 h                                                                                                                                                                                                                 |
| Time evaluation          | Slow (S) 1 s, Fast (F) 125 ms                                                                                                                                                                                          |
| Microphone               | Electret condensator microphone                                                                                                                                                                                        |
| Functions and features   | Four-line digital display, bar graph display, backlit display, 1/4-inch tripod thread, A/C frequency evaluation, max, min, hold function, selectable time evaluation, alarm function, memory for 50 measurement values |
| Operating conditions     | 0 to 40 °C, 10 to 90 % RH                                                                                                                                                                                              |
| Weight                   | 230 g                                                                                                                                                                                                                  |
| Dimensions               | 210 x 55 x 32 mm                                                                                                                                                                                                       |
| Scope of delivery        | Sound level meter incl. windshield, operating instructions, carrying case, calibration certificate                                                                                                                     |

Trotec

Planning and survey

Temperature

Velocity

Moisture

Multi-function

Emission

Tracing and detection

Optical inspection

Leak detection