



MR10 Outdoor Microphone

The **MR10 weatherproof microphone** is designed for permanent outdoor sound measurement.

It contains an additional splash-proof version of the MI19SW 1/4" condenser microphone with integrated electronics. The microphone is tightly tolerated at 50 mV/Pa ($\pm 5\%$).

The power supply is provided by a constant current source (standard) with usually 4mA.

A coaxial cable with a BNC connector is used as a supply line.

The **MR10** is delivered with rain cover and windscreen .

Characteristics

Frequency Response: 20Hz to 20kHz

Dynamic Range: 32 dBA to 130 dB (SPL)

Frequency response complies with DIN-IEC 651, Class 2 (free field)

TECHNICAL DATA:

| | |
|-----------------------------------|---|
| Connection socket | BNC |
| Frequency response | 30 Hz - 4 kHz, ± 1 dB 4 kHz - 20 kHz, ± 2 dB |
| Temperature range | -10° - +80° C |
| Sensitivity | 50 $\pm 5\%$ mV/Pa |
| Noise | (lin: 20Hz-20kHz) approx. 36 dB (20 μ Pa) ("A"-weighted) approx. 32 dB (20 μ Pa) |
| Limit sound pressure level | 130 dB peak (20 μ Pa) |
| Supply | IEPE 2-20 mA |
| Impedance | 50 Ω |

Material: Microphone : Stainless Steel (1.4305)
Other parts: Plastic (ABS)

Dimensions: Total height : 175 mm
Windscreen diameter: 40 mm
Sound inlet diameter: 90 mm

Weight: 185 g

Special designs on request