

# MF172

¼" IEPE Measuring Microphones

## Features

- Frequency range: 20 Hz to 20 kHz
- Dynamic range: 30 to 130 dB,
- Frequency response fulfills DIN-EN 60651, Class 1 (Free field)



These ¼"-measuring microphones are pressure transducers. MF172 have integrated electronics, and can be delivered with sensitivities at 50 mV/Pa and tolerances of  $\pm 5\%$ . Power supplies for the microphones can be either a constant current source of 2 – 8mA. Normally the microphones are fitted with BNC connectors. Other connectors such as TNC, SMB, LEMO or microdot are also available on request.

## Technical Data

### Microphone

Connector ..... BNC

### Frequency response

30 Hz...4 kHz .....  $\pm 0,5\text{dB}$

4 kHz...20 kHz .....  $\pm 1,5\text{dB}$

### M117

Sensitivity ..... 50 mV/Pa  $\pm 5\%$

### Inherent noise

(lin: 20 Hz-20 kHz) ..... approx. 30 dB (20  $\mu\text{Pa}$ )

(„A“ weighted) ..... approx. 26 dB (20  $\mu\text{Pa}$ )

Max peak SLP .....  $\geq 130\text{ dB}$  (20  $\mu\text{Pa}$ )

Source resistance ..... 50  $\Omega$

### Power supply

Constant current source ..... 2–8 mA

### Operating conditions

Temperature range .....  $-10\text{ }^\circ\text{C}$  ...  $+50\text{ }^\circ\text{C}$

### Mechanical Data

Material ..... Stainless steel

Dimensions (L x  $\varnothing$ ): ..... 93 x 8 mm

Weight: ..... 23 g

### Optional Accessories

Wind screen

Messelektronik Ulrich Falm reserves the right to change specifications and accessories without notice.