

MP40 Microphone Cartridge

- 1/2" prepolarized
- IEC61672 Class 1 – WS2F
- 1.5 Hz ~ 20 kHz frequency range
- free-field
- 50 mV/Pa

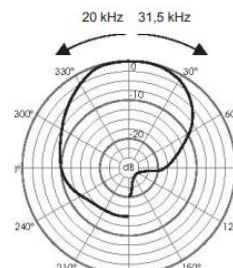
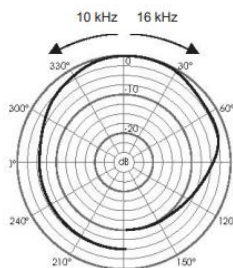
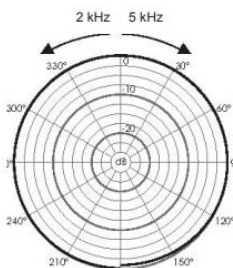
Transducer type	Capacitive pressure receiver
Frequency range of free-field transmission measurement	1.5 Hz – 3.5 Hz: ± 1.5 dB 3.5 Hz – 4 kHz: ± 0.5 dB 4 kHz – 20 kHz: ± 1.5 dB
Field Idle Transfer Factor	50 mV/Pa (± 3 dB)
Limit sound pressure level for 3 % distortion at 1 kHz	146 dB
Noise	16 dBA
Polarization voltage	0V
Capacitance with polarization voltage at 1 kHz	16 pF
Working temperature range	-20 ... +60 °C
Humidity up to	70 °C, 90 %
Temperature coefficient	-0.01 dB/K
Static pressure coefficient	0.00001 dB/Pa
Diameter with protective cap	13.2 mm \pm 0.05 mm
Height	17.2 mm
Weight	8.65 g
Thread for preamplifier	11.7 mm 60 UNS
Thread for protective cap	12.7 mm 60 UNS



Maintenance and servicing

In order to ensure proper functionality, the measuring microphone capsule must be protected from mechanical damage and, depending on the conditions of use, checked on all sides for contamination at intervals to be specified in the operating voltage-free state. After removing the protective cap, the impurities in its interior, as well as on the membrane, should be removed extremely carefully with a soft brush or cloth. The measurement microphone capsule is not suitable for use in chemically aggressive media and conductive dust. Condensation formation must be ruled out.

Polar diagrams



typical frequency response

