

Series MH-50-D

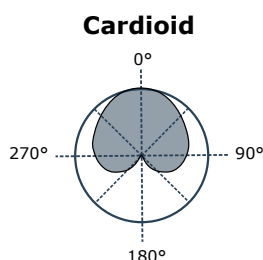


Dynamic hand-held microphone

- Robust metal housing, ideal for both mobile and stationary use
- Well-insulated against structure-borne sound
- Available with three different frequency characteristics
- Up to three buttons (with one working contact each)
- Easy to repair: all parts are accessible after removal of one a few screws



Directional characteristic



- Broad sound recording angle at the front of the microphone
- Low sensitivity for sounds coming from the back (noise cancellation)
- Ideal for a broad range of application areas: in railways & public transportation, control rooms, logistics, as command microphone for police or military

Speaking distance

Proximity or Medium

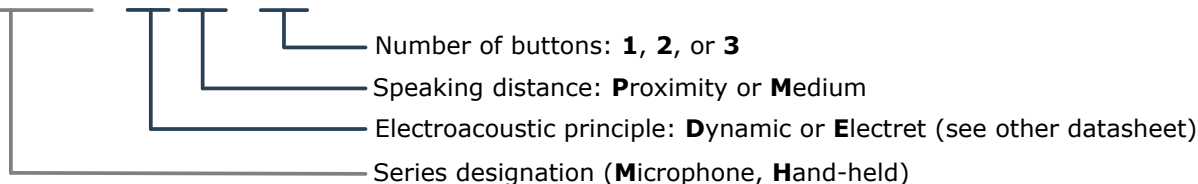


Available in 2 versions:

- A** – Proximity (approx. 5 cm)
- B** – Medium (approx. 30 cm)

Naming convention

MH-50-DX-Y



Specifications common to all models

The technical specifications given in this section are valid for all models of the Series **MH-50-D**. Specifications that only apply to certain models will be given in their respective sections.

Mechanical specifications

- Housing robust metal casing
- Colour..... matt silver or black
- Dimensions:
 - Diameter 32 mm (head),
..... 25 mm (shaft)
 - Length 173 mm
- Weight:
 - Without cable approx. 160 g
 - With cable approx. 210 g
- Buttons..... 1, 2 or 3
- Cable:
 - Cable type PUR coiled cable,
..... 4- or 7-cored ¹
 - Cable length..... 45 cm, extends to 1.5 m
 - Terminals..... tinned ends

¹ Depends on number of buttons: 1,2 = 4-cored; 3 = 7-cored

Environmental specifications

- Degree of protection IP 40 ¹
- Temperature range:
 - Operation -30 °C to +70 °C ²
 - Storage -40 °C to +80 °C ³
- Acceptable rel. humidity .. ≤ 93% ⁴

¹ acc. to DIN EN 60529

² Based on ETSI EN 300019-2-1 Class 1.2 but with different low temperature

³ Based on ETSI EN 300019-2-3 Class 3.3 but with different low temperature

⁴ Db acc. to DIN EN 60068-2-30

Included in delivery

Hand-held microphone incl. cable, microphone holder

Accessories & spare parts

Microphone holder Part No. 33-02-00005



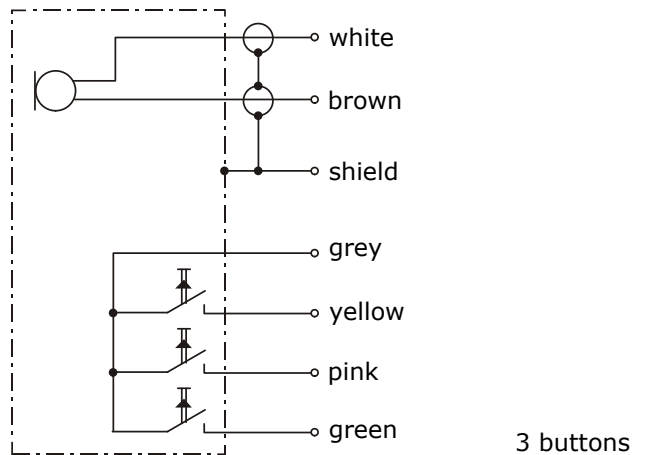
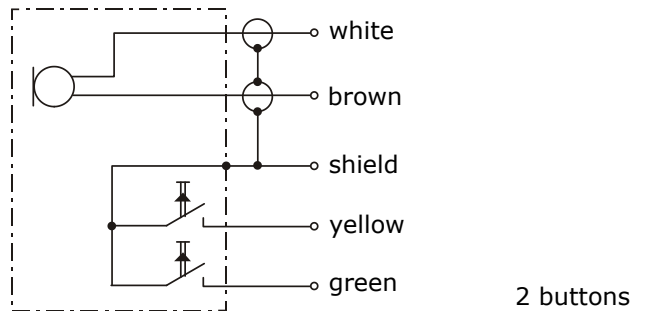
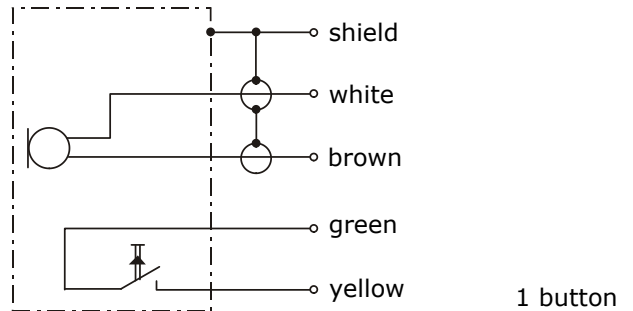
Holder for hand-held microphone

Electroacoustic specifications

- Electroacoustic principle .. dynamic
- Directional characteristic . cardioid
- DC resistance..... 50, 200, 600 Ω ¹

¹ ± 15%

Connecting diagrams



MH-50-DP – model specific information



matt silver, 3 buttons



black, 1 button

Electroacoustic specifications

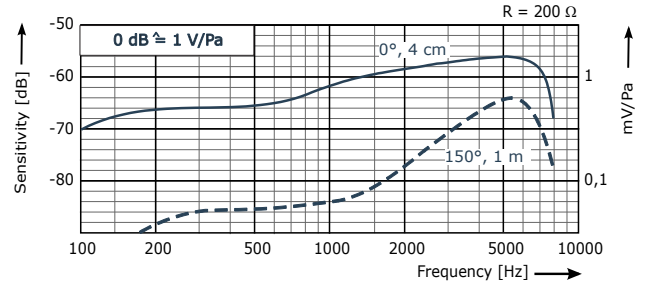
Free-field no-load sensitivity:

Version **A**.....0.70 mV/Pa ¹

¹ [-63 ± 3 dB, rel. 1 V/Pa], 200 Ω, 1 kHz, 4 cm

Frequency response

Version **A**:



Customised models

Can be made available on request with:

- Built-in amplifier
- Button with 2 change-over contacts
- With mounted connector plug
- With 7-cored cable

Order details

Model	Speaking distance	Buttons	Colour	DC resistance	Part No.
MH-50-DP-1	Proximity, approx. 5 cm	1	matt silver	200 Ω	84-03-04910-003
				600 Ω	84-03-04910-014
			black	200 Ω	84-03-08430-003
				600 Ω	84-03-08430-014
MH-50-DP-2	Proximity, approx. 5 cm	2	matt silver	200 Ω	84-03-05495
				600 Ω	84-03-05847-014
MH-50-DP-3	Proximity, approx. 5 cm	3	matt silver	200 Ω	84-03-09042

Models with features combinations not listed in the table above may be made available upon request. Feel free to contact us with your requirements

MH-50-DM – model specific information



matt silver, 2 buttons



black, 2 buttons

Customised models

Can be made available on request with:

- Built-in amplifier
- Buttons with 2 change-over contacts
- With mounted connector plug
- With 7-cored cable

Order details

Model	Speaking distance	Buttons	Colours	DC resistance	Part No.
MH-50-DM-1	Medium, approx. 30 cm	1	matt silver	50 Ω	84-03-04916-019
				200 Ω	84-03-04916-003
				600 Ω	84-03-04916-014
			black	50 Ω	84-03-08429-019
				200 Ω	84-03-08429-003
				600 Ω	84-03-08429-014
MH-50-DM-2	Medium, approx. 30 cm	2	black	200 Ω	84-03-08433-003
				600 Ω	84-03-08433-014

Models with features combinations not listed in the table above may be made available upon request. Feel free to contact us with your requirements

Electroacoustic specification

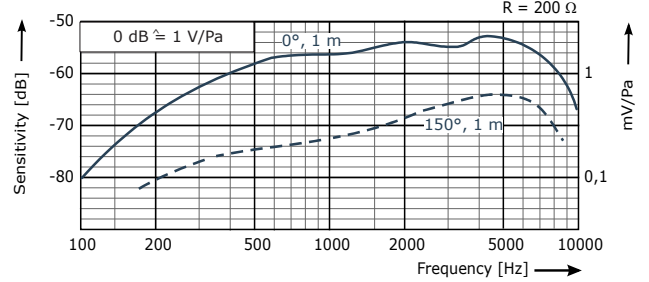
Free-field no-load sensitivity:

Version **B**..... 1.6 mV/Pa ¹

¹ [-56 ± 3 dB, rel. 1 V/Pa], 200 Ω, 1 kHz, 1 m

Frequency response

Version **B**:



matt silver, 1 button