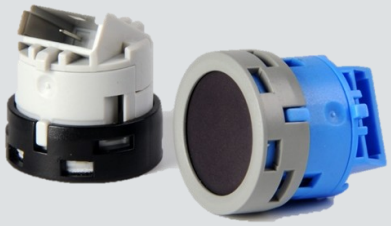
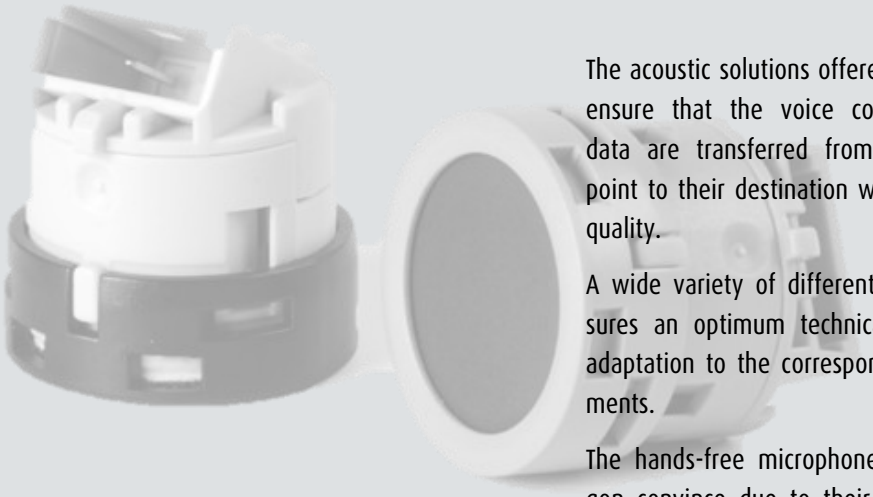
Hands-free Microphone





The acoustic solutions offered by paragon ensure that the voice commands and data are transferred from the starting point to their destination with no loss of quality.

A wide variety of different versions ensures an optimum technical and visual adaptation to the corresponding requirements.

The hands-free microphones from paragon convince due to their high quality, which is achieved due to a high depth of production with a high degree of automation.

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Before delivery, every microphone is checked for all of its characteristic values and all types fulfil the VDA 1.5. The special positioning of the microphone capsule decisively reduces the influence of structure-borne sound; the microphone plug and cable are acoustically decoupled. The specially developed foam filter minimises the wind sensitivity.

Paragon offers different designs (cylindrical and square) which can be integrated optimally in the interior thanks to their miniaturisation.

The hands-free microphones convince due to their high directionality, their high degree of focus and their wind-break reduction. These attributes are achieved through the use of high quality, directed microphone capsules. A wide range of sensitivities, frequency responses and casing geometries are possible.

Characteristic value	Value
VDA1.5 sensitivity	670 or 300 mVRMS @ 1kHz, 94 dBSPL, Ra = 680 Ω, VCC = 8V
Sensitivity tolerance	@ 1kHz, +/- 1dB (optional)
Characteristic	Unidirectional (nodule)
SNR– ratio	> 65 dB
Backward trigger	> 15 dB @ 800 Hz – 3200 Hz
Distortion factor	< 1% @ 1000 Hz, 74 dBSPL
Sound pressure level	> 120 dB
Power consumption	1mA
Operating temperature	Type -40°C bis +95°C
Adaptive windbreak (optional)	> 22 dB
Minimum construction height (optional)	< 5mm

integra-mic plus

integra-mic

uni-mic

Subject to technical changes; errors excepted.