

SEIT 1928

KONDENSATORMIKROFONE  
FÜR STUDIO - UND MESSTECHNIK

**MICROTECH GEFELL**



This Data Sheet is for the earlier HSM 180 - the HSM 181 is the updated version and the new Data Sheet will replace this when available.

The HSM 191 is basically the same, but with a cardioid microphone head

## Condenser Headset Microphone HSM 180

The Headset Microphone HSM 180 is an announcer microphone for radio and TV commentators, interpreters and others. The microphone achieves an improved signal-to-noise ratio in respect of environmental noise due to its close proximity to the mouth. Used as a converter, a pressure transducer simplifies placement of the HSM 180, and outstanding purity of sound is guaranteed even if inaccurately adjusted. The microphone can be positioned in three axes. It is adjusted by means of an easy-to-handle knurled thumbscrew with collar.

The upper frequency characteristic on the main response axis of the microphone provides optimal compensation for high frequency loss when side addressed. The microphone assures a neutral sound quality and has a negligible self-noise level for a headset microphone. The Windscreen W 18 removes the majority of pop artefacts, normally inevitable, in close applications.

The present model is intended for the "ULTRASONE HFI-650" studio headphones with S-Logic™ Sound System technology as seen in the picture.

These headphones are a closed system which shields the announcer from environmental noise but give the impression of an open system.

### Delivery

Microphone, dark bronze  
incl. windscreen

HSM 180

Order-No. 211172

## Accessories, optional

Power supply	N 200	Order-No. 202101
Windscreen, anthracite	W 18	Order-No. 202413

## Technical Data HSM 180

Polar pattern		Omni
Acoustic operating principle		Pressure transducer
Frequency range		40 ... 18000 Hz
Sensitivity at 1 kHz		7 mV/Pa
Output impedance		100 $\Omega$
Noise level	CCIR 468-4	30 dB
	IEC 651	20 dB - A
Signal-to-noise ratio	CCIR-weighted	64 dB
(re 1 Pa at 1 kHz)	A-weighted	74 dB
Max. SPL for THD <0,5%		147 dB
Dynamic range of electronics		127 dB
Current consumption (P 48, DIN 45596, IEC 268-15)		3,3 mA
Output connector	microphone	3-pin XLR connector
	headphones	vario jack 3,5/6,3 mm
		goldplated contacts
Length connection cable		1,5 m
Length spiral cable to jack		~ 0,5 m
Weight incl. headphones "ULTRASONE HFI-650"		450 g
Diameter microphone		21 mm

## CE Certificate

