

Product Specification

EM 100 G4

RF characteristics

Modulation	Wideband FM
Frequency ranges	GB: 606 - 648 MHz
Switching bandwidth	up to 42 MHz
Nominal/peak deviation	± 24 kHz / ± 48 kHz
Receiver principle	True diversity
Sensitivity (with HDX, peak deviation)	< 2.5 μ V for 52 dBA
Adjacent channel selection	≥ 65 dB
Intermodulation attenuation	≥ 65 dB
Blocking	≥ 70 dB
Squelch	low: 5 dB μ V middle: 15 dB μ V high: 25 dB μ V
Pilot tone squelch	Can be switched off
Antenna inputs	2 BNC sockets

AF characteristics

Comander system	Sennheiser HDX
EQ presets (switchable, act on line and monitor outputs)	Preset 1: Flat Preset 2: Low Cut (-3 dB at 180 Hz) Preset 3: Low Cut/High Boost (-3 dB at 180 Hz, +6 dB at 10 kHz)

	Preset 4: High Boost (+6 dB at 10 kHz)
Signal-to-noise ratio (1 mV, peak deviation)	≥ 110 dBA
Total harmonic distortion (THD)	≤ 0.9 %
AF output voltage (at peak deviation, 1 kHz AF)	6.3 mm jack socket (unbalanced): +12 dBu XLR socket (balanced): +18 dBu
Adjustment range of audio output level	48 dB (3 dB steps)
Overall device	
Temperature range	-10 °C to +55 °C
Current consumption	300 mA
Power supply	12 V DC
Dimensions	Approx. 190 x 212 x 43 mm
Weight (incl. batteries)	Approx. 980 g
<u>SK 100 G4</u>	
RF characteristics	
Modulation	Wideband FM
Frequency ranges	GB: 606 - 648 MHz
Switching bandwidth	up to 42 MHz
Nominal/peak deviation	±24 kHz / ±48 kHz
Frequency stability	≤ ±15 ppm
RF output power at 50 Ω	Max. 30 mW

Pilot tone squelch	Can be switched off
AF characteristics	
Compander system	Sennheiser HDX
AF frequency response	Mic: 80 – 18,000 Hz Line: 25 – 18,000 Hz
Signal-to-noise ratio (1 mV, peak deviation)	≥ 110 dBA
Total harmonic distortion (THD)	≤ 0.9 %
Max. microphone/line input voltage	3 V
Microphone/line input impedance	40 kΩ, unbalanced / 1 MΩ
Input capacitance	Switchable
Setting range for input sensitivity	60 dB, adjustable in 3 dB steps
Overall device	
Temperature range	-10 °C to +55 °C
Power supply	2 AA batteries, 1.5 V or BA 2015 accupack
Nominal voltage	3 V battery / 2.4 V rechargeable battery
Current consumption	at nominal voltage: typ. 180 mA with transmitter switched off: ≤ 25 µA
Operating time	Typically 8 h
Dimensions	Approx. 82 x 64 x 24 mm
Weight (incl. batteries)	approx. 160 g

ME 2

Transducer principle	pre-polarized condensor microphone
Pick-up pattern	omni-directional
Sensitivity (free field, no load) (1 kHz)	20 mV/Pa
Max. SPL at 1 kHz	130 dB
Frequency response	50 to 18,000 Hz (ME 2-II)
"Equivalent noise level A-weighted (DIN IEC 651)"	36 dB
Connector	3.5 mm jack
Cable length	approx. 1.60 m
Supply voltage	7.5 V