



evolution wireless G4

ew 100 G4-ME2 | ew 100 G4-ME4

Lavalier Set

SPECIFICATIONS

SK 100 G4

RF characteristics	
Modulation	Wideband FM
Frequency ranges	A1: 470 - 516 MHz A: 516 - 558 MHz AS: 520 - 558 MHz G: 566 - 608 MHz GB: 606 - 648 MHz B: 626 - 668 MHz C: 734 - 776 MHz D: 780 - 822 MHz E: 823 - 865 MHz JB: 806 - 810 MHz K+: 925 - 937.5 MHz 1G8: 1785 - 1800 MHz
Transmission frequencies	Max. 1680 receiving frequencies, adjustable in 25 kHz steps 20 frequency banks, each with up to 12 factory-preset channels, no intermodulation 1 frequency bank with up to 12 programmable channels
Switching bandwidth	up to 42 MHz
Nominal/peak deviation	± 24 kHz / ± 48 kHz
Frequency stability	$\leq \pm 15$ 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 _{eff}
Microphone/line input impedance	40 k Ω , unbalanced / 1 M Ω
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 μ A
Operating time	Typically 8 h
Dimensions	Approx. 82 x 64 x 24 mm
Weight (incl. batteries)	approx. 160 g

SPECIFICATIONS

ME 2

Transducer principle	pre-polarized condenser 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) 30 to 20,000 Hz (ME 2-US)"
"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

ME 4

Transducer principle	pre-polarized condenser microphone
Pick-up pattern	cardioid
Sensitivity (free field, no load) (1 kHz)	40 mV/Pa
Max. SPL at 1 kHz	120 dB
Frequency response	50 to 18,000 Hz
"Equivalent noise level A-weighted (DIN IEC 651)"	31 dB
Connector	3.5 mm jack
Cable length	approx. 1.60 m
Supply voltage	7.5 V