



A 50

Device data

Dimensions (W × D × H)	115 × 65 × 114 mm
Weight	0.4 kg
Material	polycarbonate (housing)
Product variants	<ul style="list-style-type: none">• with SDR (Sewerin Digital Radio)• without SDR

Certificates

Certificate	with SDR: FCC, CE, IC, MIC
	without SDR: FCC, CE

Device elements

Display	2" FSTN display 240 × 128 pixels, LED backlight
Processor	16-bit digital signal processor
Operation	membrane keypad, 1 activation key

Operating conditions

Operating temperature	-20 °C – 50 °C
Storage temperature	-25 °C – 50 °C
Humidity	15 % – 90 % r.h., non-condensing
Protection rating	IP65
Non-permitted operating environments	in potentially explosive areas

Power supply

Power supply	lithium ion battery (rechargeable) [1357-0002], built-in
Operating time, typical	> 20 h
Battery power	24 Wh
Charging time	< 6 h
Charging temperature	-0 °C – 40 °C
Charging voltage	12 V
Charging current	0.6 A
Charger	M4 AC/DC adapter

Measurement

Filter	bandpass, adjustable filter limits: <ul style="list-style-type: none"> • lower filter limit: 0/30/60/120/250/500 Hz • upper filter limit: 500/850/2000/3000/4000/5000/8000 Hz notch filter: 50/60 Hz, off
Sampling rate	16 bit, 48 kHz
Indication range	0 – 999 digits

Data transmission

Transmission frequency	2.408 – 2.476 GHz, 38 channels
Radio range	> 2 m
Transmission bandwidth	0 – 12 kHz
Communication	dependent on product variant and headphones used <ul style="list-style-type: none"> • A 50 with SDR and wireless headphones: wireless • otherwise: cable
Power	10 mW

Additional data

Transport	EA bag, EA rucksack
Shipping instructions	UN 3481: lithium ion batteries contained in equipment or lithium ion batteries packed with equipment net weight of battery/batteries: 0.098 kg

Assignment

System components of	AQUAPHON® system
For use with	TS 50 carrying rod, UM 50 universal microphone