

Technical Data Sheet

A 50

Device data	
Dimensions (W x D x H)	115 x 65 x 114 mm
Weight	0.4 kg
Material	polycarbonate (housing)
Product variants	– 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 x 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: – 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 – 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

107505 – 17.07.2017 – Subject to technical changes.

