



# AF 50

### Device data

Dimensions (W × D × H)	115 × 65 × 114 mm
Weight	0.4 kg
Material	polycarbonate (housing)

### Certificate

Certificates	FCC, CE, IC, MIC
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### Features

Display	2" FSTN display (240 × 128 pixels, LED backlight)
Processor	DSP 16 bit
Operation	membrane keypad with 5 keys 1 activation key

### Operating conditions

Operating temperature	-20 – 50 °C
Storage temperature	-25 – 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 – 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"> <li>• lower filter limit: 0/30/60/120/250/500 Hz</li> <li>• upper filter limit: 300/500/850/1000/1250/1500/2000/3000/4000/8000 Hz</li> </ul> notch filter: 50 Hz, 60 Hz, off locating mode with SK 3: 50/60/512/1100/9950 Hz
Sampling rate	16 bit, 48 kHz
Indication range	0 – 1999 digits

## Data transmission

Transmission frequency	2.408 – 2.476 GHz, 38 channels
Radio range	> 2 m
Transmission bandwidth	0 – 12 kHz
Communication	depending on the headphones used <ul style="list-style-type: none"> <li>• F8 wireless headphones: SDR (Sewerin Digital Radio)</li> <li>• K3 headphones: by cable</li> </ul>
Power	10 mW

## Additional data

Transport	SK 10 case
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 component of	AQUAPHON® system
For use with	UM 50 universal microphone, SK 3 search coil