



# SONG METER® SM5BAT vs. SM4BAT

## Specifications at a Glance

Feature	*NEW* SM5BAT	SM4BAT
Ultrasonic channels	2 (independently triggered)	1
Acoustic channels	2 (mono or stereo)	0
Built-in microphones	2 (1 ultrasonic and 1 acoustic)	0
Simultaneous ultrasonic/acoustic recording	Yes	No
Recording formats	Full-spectrum 16-bit WAV; or Zero-Crossing (ZC)	Full-spectrum 16-bit WAV
Sample rates (ultrasonic)	256, 384, 500 kHz	192, 256, 384, 500 kHz
Sample rates (acoustic)	8, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96 kHz	n/a
Battery life*	Up to 150 ten-hour nights (Li-ion); or Up to 70 ten-hour nights (alkaline)	Up to 48 ten-hour nights (alkaline)
Built-in GPS	Yes	No
GPS time sync	Yes, within 30 microseconds	No
Memory/storage capacity	2 SDHC/SDXC Up to 2 TB each (4 TB total)	2 SDHC/SDXC Up to 2 TB each (4 TB total)
Battery power options	18650 lithium-ion (1-6 or 11) D alkaline or NiMH (4)	D alkaline or NiMH (4)
External/solar power compatible	Yes, Wildlife Acoustics' Power Kit, etc.	Yes, Wildlife Acoustics' Power Kit, etc.
Configuration options	iOS or Android device via app; or On-unit buttons/screen	On-unit buttons/screen
Quick Start schedules	Yes	Yes
Custom schedules	Yes	Yes
Cellular remote access	Yes (accessory coming late 2026)	No
IP67 weatherproof	Yes	Yes
Dimensions (h x w x d)	7.5 x 5.3 x 2.5 in 91 x 134 x 64 mm	8.6 x 6.0 x 3.1 in 218 x 152 x 71 mm
Weight (with batteries)	2.44 lb / 1109 g (11 x 18650) 2.5 lb / 1134 g (4 x D alkaline)	2.6 lb / 1215 g (4 x D alkaline)

*\*Based on 10% bat activity, with one external microphone, using multi-band (more detailed) trigger settings. SM5BAT battery specs are estimates based on preliminary testing. Updated numbers will be coming in January 2026.*