



MAXWELLON TW4206

9 kHz - 9.5/ 20/ 40 GHz

Handheld Real-Time Spectrum Analyzer
2026

Multi-touchscreen Ease Operation

The **Maxwellon TW4206** spectrum analyzer features a 10.1-inch multi-touch display, providing an intuitive interface comparable to benchtop instruments. Weighing as little as 1.5 kg, it enables effortless single-handed operation.

Benchtop-Class Solid RF Performance

The **TW4206** supports frequencies from **9 kHz to 40 GHz** with a standard **100 MHz bandwidth**. Its phase noise is typically **< -100 dBc/Hz** at a **1 GHz carrier and 10 kHz offset**, ensuring accurate and reliable measurements.

Unlocking Premium Performance

With **Maxwellon**, there is no need to pay extra for optional features. The **TW4206** provides most measurement functions as standard, delivering premium performance without additional licensing costs.

■ Specification

Model	TW4206-90	TW4206-200	TW4206-400
Frequency range	9 kHz-9.5 GHz	9 kHz-20 GHz	9 kHz-40 GHz
Analysis bandwidth	100 MHz	100 MHz	100 MHz
Phase noise 1 GHz@10 kHz	-101.6 dBc/Hz	-99.7 dBc/Hz	-107 dBc/Hz
1 GHz DANL	-167.5 dBm/Hz	-166.3 dBm/Hz	-159.9 dBm/Hz
Sweep speed (RBW=250 kHz)	About 1.1 THz/s		
Operation system	Linux		
Memory and storage	4 GB RAM 32 GB EMMC		
Touchscreen and weight	10.1-inch, 1.5 kg		
Typical battery life	About 3h		
Standard measurement functions	Advanced measurements including channel power, OBW, automatic phase noise, automatic harmonic, SEM, AM/FM demodulation and more.		
Option code	34: external omnidirectional antenna: 400-8000 MHz, gain < 2 dBi 35: directional antenna: 500 MHz-10 GHz, active gain 25 dBi 71: basic digital demodulation: 2ASK, 2/4FSK, GMSK, BPSK, QPSK, 8PSK, 16/64/128/256QAM 72: pulse detection, auto pulse width, PRI and duty cycle		



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