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INDUSTRIAL PRODUCT DATASHEET

RF Explorer 433M

RF Explorer 433M: Affordable handheld spectrum analyzer for 430–440 MHz with 16-hour battery life and USB PC connectivity.

SKU	UPDATED	PRICE
109990017	2025-09-02 07:48:43	$99.00(Excl. VAT)



Overview



The RF Explorer 433M is a handheld digital spectrum analyzer covering the 430-440 MHz frequency band with spectrum analysis modes, an integrated signal generator, and a compact aluminum case. It provides up to 16 hours of continuous operation on a rechargeable battery and connects to a Windows PC via USB for enhanced functionality.

Key Features

RF Explorer is a handheld digital spectrum analyzer, aimed to provide a very affordable tool for work in all ISM popular frequency bands. It is based on a highly integrated frequency synthesizer which offers high performance, compact size, low consumption and low-cost.

It has been designed to be used equally well outdoor and indoor, and can be connected to a Windows PC using standard mini-USB for additional features and higher display resolution.

We also prepared a nice EVA case for RF Explorer, check it out **here**

Feature

- Pocket size and light weight
- Solid aluminum metal case
- Spectrum Analyzer mode with Peak Max and Hold, Normal, Overwrite and Averaging modes
- Integrated RF Signal Generator
- Lifetime free firmware upgrades available, open to community requested features
- High capacity Lipo for 16hs+ of continuous run, rechargeable by USB
- Windows PC client Open Source
- Can be extended with internal Expansion Modules for additional band and functionality

Specification

- Frequency band:430-440 MHz
- Frequency span: 112 KHz-10 MHz(enhanced to 30 MHz if an Expansion Module is connected)
- Graphics LCD 128x64 pixels, great visibility outdoors
- PC Windows client supports Windows XP/Vista/Win7 both 32 and 64bits
- Backlight for great indoor visibility
- Standard SMA 50 ohms connector, a matching antenna is included
- Amplitude resolution: 0.5dBm
- Dynamic range: -115dBm to 0dBm
- Absolute Max input power: +5dBm
- Average noise level (typical): -110dBm
- RF Generator amplitude: 0dBm to 20dBm
- Frequency stability and accuracy (typical): +-10ppm
- Amplitude stability and accuracy (typical): +-3dBm
- Frequency resolution: 1Khz

- Resolution bandwidth (RBW): automatic 2.6Khz to 80Khz
- Weight: 185g
- Size: 113x70x25 mm

Techsupport

This product is designed by RF-Explorer,

- For more info and to get started with your RF Explorer, visit the **start page**.
- For questions and support, please visit **https://support.rf-explorer.com**.
- For the software for RF Explorer series, please click the following logo for more information:

If you'd like to buy or change the RF Explorer Battery, please click here.

Product Gallery







Part List

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Compliance & Logistics



HSCODE	9030401000
USHSCODE	9030400000
UPC	841454104001
EUHSCODE	9030900000
COO	CHINA

Resource Links

- https://www.seeedstudio.com/RF-Explorer-433M-p-784.html
- Wiki

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