RF Solutions 006 Signal Strength Multi Meter Owner's Manual

Contents

RF Solutions 006 Signal Strength Multi Meter

Product Information

- **Product Name:** RF Multi Meter
- **Model Number:** 006
- **Dimensions:** 90 x 54 x 27mm
- **Antenna Length:** 17.5cm (433.93MHz)
- **Frequency Bandwidth:** 315.00MHz, 433.92MHz, 869.50MHz, 915.00MHz, 000.10MHz
- **Power Supply Voltage:** Minimum 2.2V, Maximum 3.3V
- **Operating Temperature:** 0°C to +50°C
- **Storage Temperature:** -20°C to +60°C

Features

- Versatile handheld test meter for checking radio signal strength or interference in a given area
- Can both transmit and receive signals, making it possible to test an installation location for suitability before installing equipment
- Simple to use with 4 selectable frequencies, changeable at the touch of a button
- Auto shut off feature for battery saving
- Hard-wearing and long-lasting design

Applications

- Checking radio signal strength or interference in a given area
- Testing an installation location for suitability before installing equipment

Transmitter Signals

- 315MHz
- 433MHz
- 868MHz
- 915MHz

Product Usage Instructions

1. Press the power/mode select button to switch between transmit and receive modes.
2. The red LED will show the selected mode.
3. Press the power/band button to scroll through different frequencies.
4. The red LED will show the selected frequency.
5. In receive mode, the LED bar graph will show the received signal strength.
6. In transmit mode, the LED bar graph will sequentially flash while the 006 is sending signals.
7. The 006 will auto shut down after 60 seconds of inactivity.
8. The 006 will always power up in receive mode on the frequency previously used.
9. If using an antenna other than the 433.92MHz antenna that comes as standard, visit www.rfsolutions.co.uk for more details on available antennas for improved performance on specific frequencies.

Features

- Transmit and Receive modes,
- 4 Selectable Frequencies,
- 315MHz, 433MHz,
- 868MHz, 915MHz
- Long Battery Life
- Small Size
- Simple to use

Applications

- Detect Radio Interference
- Range Testing
- Pre-Installation Performance
- Check Receiver and Transmitter Signals

Description

RF Multi Meter is a versatile handheld test meter checking Radio signal strength or interference in a given area. The Multi-Meter can both transmit and receive signals making it possible to test an installation location for suitability before installing equipment. The Multi-Meter is very hard wearing, long lasting and simple to use. It has

4 selectable frequencies, changeable at the touch of a button. It also has an auto shut off feature for battery saving.

Ordering Information

Part Number	Description
006	Signal Strength Meter

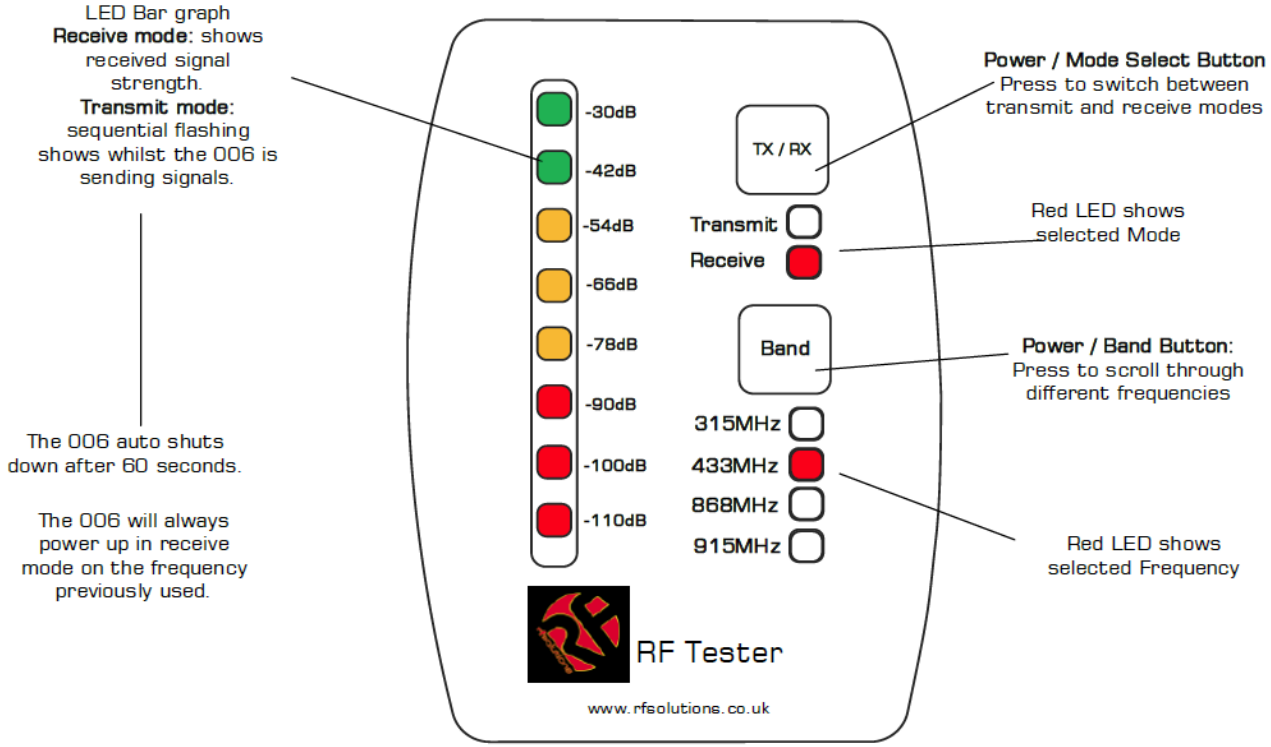
Operating Instructions

Spot Frequencies used

- 315.00MHz
- 433.92MHz
- 869.50MHz
- 915.00MHz

Functions:
The 006 has two functions

- **Transmit –** The 006 sends out a pulsed transmission which can be received by and module on the frequency selected. Or by another 006 set to the same module.
- **Transmit power**: the 006 transmits at 0dBm
- **Transmit timing:** the 006 sends a 100ms pulse every 1 second
- **Transmit signal modulation:** a 1KHz sine wave is modulated over the transmit signal. Receive – when set in receive mode the 006 displayed any signals detected in the selected frequency.
- The receive sensitivity is shown on the front panel (as below)



Antenna

As standard the 006 is fitted with a 433.92MHz antenna, this should be sufficient for most applications, however other antennas are available from RF Solutions website for improved performance on specific frequencies. See www.rfsolutions.co.uk for more details

Technical Specification

- **Dimensions:** 90 x 54 x 27mm
- **Antenna:** 17.5cm (433.93MHz)

	Min	Typical	Max	Units
Supply voltage	2.2	3	3.3	V
Frequency		315.00		MHz
		433.92		MHz
		869.50		MHz
		915.00		MHz
Bandwidth		000.10		MHz
Max. RF Input		+20		dBm
RF Sensitivity	See	Sticker	Overlay	dBm
Operating Temperature	0		+50	°C
Storage Temperature	-20		+60	°C

Simplified Declaration of Conformity

Hereby, RF Solutions Limited declares that the radio equipment type defined within this document is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: **www.rfsolutions.co.uk**

RF Solutions Ltd. Recycling Notice

Meets the following EC Directives:
DO NOT
Discard with normal waste, please recycle.
Meets the following EC Directives:
ROHS Directive 2011/65/EU and amendment 2015/863/EU
Specifies certain limits for hazardous substances.
WEEE Directive 2012/19/EU
Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfills its
WEEE obligations by membership of an approved compliance scheme.
Environment Agency producer registration number: WEE/JB0104WV.

Waste Batteries and Accumulators Directive 2006/66/EC
Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point

Disclaimer:

Whilst the information in this document is believed to be correct at the time of issue, RF Solutions Ltd does not

accept any liability whatsoever for its accuracy, adequacy or completeness. No express or implied warranty or representation is given relating to the information contained in this document. RF Solutions Ltd reserves the right to make changes and improvements to the product(s) described herein without notice. Buyers and other users should determine for themselves the suitability of any such information or products for their own particular requirements or specification(s). RF Solutions Ltd shall not be liable for any loss or damage caused as a result of user's own determination of how to deploy or use RF Solutions Ltd's products. Use of RF Solutions Ltd products or components in life support and/or safety applications is not authorised except with express written approval. No licences are created, implicitly or otherwise, under any of RF Solutions Ltd's intellectual property rights. Liability for loss or damage resulting or caused by reliance on the information contained herein or from the use of the product (including liability resulting from negligence or where RF Solutions Ltd was aware of the possibility of such loss or damage arising) is excluded. This will not operate to limit or restrict RF Solutions Ltd's liability for death or personal injury resulting from its negligence.

RF Solutions Ltd
William Alexander House, William Way, Burgess Hill, West Sussex,
RH15 9AG Sales: +44(0) 1444 227900
Support: +44(0) 1444 227909
www.rfsolutions.co.uk

Documents / Resources

	RF Solutions 006 Signal Strength Multi Meter [pdf] Owner's Manual 006 Signal Strength Multi Meter, 006 Strength Multi Meter, Signal Strength Multi Meter, Strength Multi Meter, Signal Strength Meter, Strength Meter, Signal Meter, Meter

References

- ons.co.uk
- rfsolutions.co
- RF Solutions | Remote control systems, RF Modules, Antennas
- rtsintercom.com/