

VHF/UHF 125-525MHz Power & S.W.R. Meter



USER'S MANUAL

Key Specifications:

Test suitable antenna for walkie-talkie use
Measurement Radio RF Power output
Easy to test power and S.W.R.

Specifications:

Max Power:	0.1-100W
V.S.W.R:	1.00-19.9
Frequency Range:	125MHz-525MHz
Power in:	5V (micro usb)
Li-ion Battery :	3.7V 500mah
In /Out Impedance :	50 Ω
Size without Socket :	25 x25 x 60 mm
(in and out) Interface:	SMA Female
Net Weight :	160g

Package include

1x Power & SWR METER
1x English Instructions
1x USB Charger Cable
1x100/220V USB Power Supply

125-525 Mhz Mini VHF/UHF Power & SWR Meter

Features:

- 1 V.S.W.R. Forward power direct digital readout, without any calibration.
2. Maximum measurable power range up to 100W.
3. 3 seconds check your antenna SWR , also check your radio RF power watt.
4. Easy to install handheld Radio

Specifications:

Measurable power range: 0.1-100W
Maximum power: 100W Accuracy: mean + / - 5%
** Not for the DMR digital radio.*

1.Features function (see Pic.2,Pic.3)

Power On / SWR Mode : Push red button and hold 3 sec.
(first status is "SWR "mode,) (see Pic.2)

Power Mode : Push red button to mode " Power Meter " (see Pic.3)
Power Off : Push red button and HOLD

2.How to use Measure RF Power output of transmitter (Pic.5)

Push red button -switch on Mode SWR. Andthen Push red button at once to mode "Power meter " .
Connect the "TX" to to Radio TX output .
Connect the "ANT/50 Ohm Load" to Dummy Load

!Caution : Please use correct dummy load , High power output will damage the dummy load.

** Power Watt - Testing frequency: VHF 145.000 / UHF 430.000*

3. How to Measure antenna of S.W.R. (Pic.4)

Push red button " Power on " > "SWR "mode .Display show on Display .

Connect the "TX" to Radio output .
Connect the "ANT/50 Ohm Load" to ANTENNA

Test Results show 1.00 to 1.50 ,

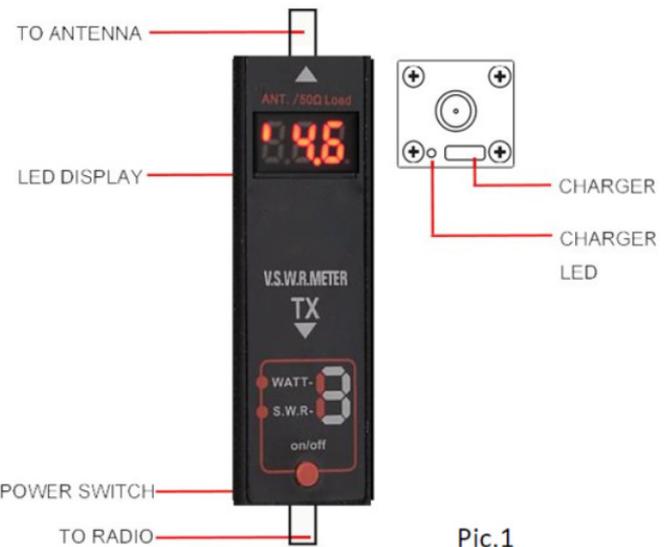
-Mean the antenna is suit the frequency.

Test Results show 1.50 to 9.00 ,

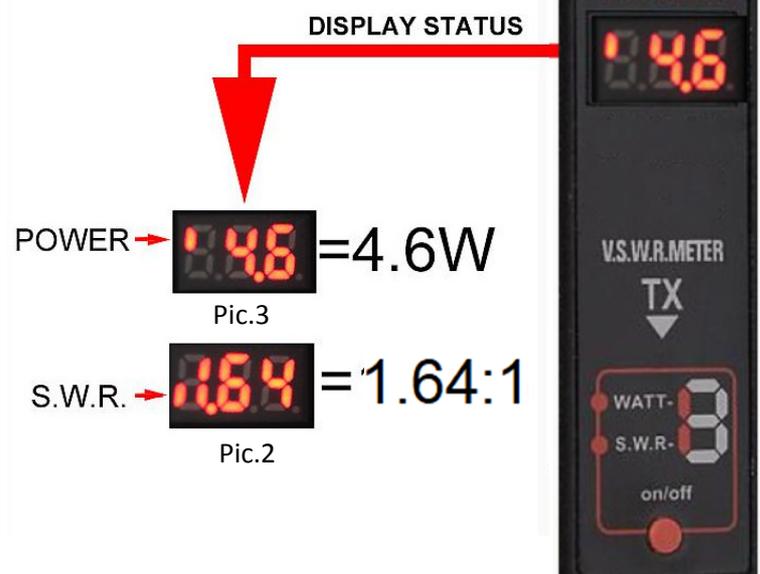
-Mean the antenna is not good suit the frequency.

Test Results show 10.0 to 19.99 ,

--Mean the antenna is very bad for this frequency.



Pic.1



How to Use meter measure walkie-talkie TX Power



- 1) Select Power MODE :
- 2) Please make sure the dummy Load is correct on meter
- 3) Please push PTT TX on the walkie-talkie

POWER →  = 4.6W

Pic.3

How to Use meter measure antenna S.W.R.



- 1) Select SWR MODE :
- 2) Place the antenna vertically, make sure there is no obstruction nearby
- 3) Please touch the metal box of the SWR meter with your hands

S.W.R. →  = 1.64:1

Pic.4

Please touch the metal box of the SWR meter with your hands

!Caution :

- *Power Watt - Testing frequency: VHF145.000MHz / UHF430.000MHz
- *Connect the antenna test power is Inaccurate .
- *Cannot be connected to dummy load test power for a long time, resulting th Dummy load in heat and damage.
- *Cannot be connected for a long period of time and is not suitable for antenna testing, causing heat and damage to the walkietalkie.
- *Shut down when not in use to avoid battery damage.
- *Please use correct dummy load , High power output will damage the dummy load.
- *Not for the DMR digital radio.
- *Please use the watt of dummy load is more than the test RF power to test.