



Digital SWR/Watt Meter

RS-50MAX / RS-70MAX Instruction manual

Main Features

1. Forward / Reversed / VSWR in one push button
2. LED backlit display for ease of reading
3. Power source : internal "AAA" batteries / external USB-C port
4. Applicable rechargeable battery
5. USB-C - DC 5V output (charger not included)
6. Measuring SSB, AM, DMR under MAX mode

Specification

Model	RS-50MAX	RS-70MAX
Frequency range	140-170 / 430-470 MHz	1.6-60 MHz
Center calibrated	145 / 435 MHz	14 / 50 MHz
Power range	0-120W	0-150W
Testing function	Fwd / Rev Power, VSWR	
Measure (MAX OFF)	CW, FM, FDMA	
Measure (MAX ON)	DMR, SSB, AM	SSB, AM
Insertion loss	0.3 dB or lower	
Impedance	50 ohm	
Power source	Battery "AAA" / USB-C port	
Connector	"M" or "N" type	"M" type
Dimension	70W x 78H x 30D mm	
Net Weight	220 g (no batteries)	

Measurement :

1. Apply output of transceiver to "TX" and antenna or load to "ANT".
2. POWER ON for ready to use
3. LCD display show simultaneously "Fwd / Rev Power and SWR".
4. MAX when OFF : Measure CW/FM/FDMA
MAX when ON : Measure DMR/SSB/AM/CW/FM/FDMA
No function in 30 seconds, The backlit will automatically off
once PTT launched, the backlit will be back.

Battery installation:

1. Remove the black screw from the cover to open the rear panel.
2. Install 2 pcs "AAA" batteries.
3. Can be used with alkaline or Ni-Ca, Ni-Mh rechargeable battery.
4. This unit has no built-in charging circuitry.
5. Be sure to correct polarity of battery.
6. Remove the battery if the unit won't be used in long period.

Noted:

1. Can be use both alkaline battery(1.5V) or rechargeable battery(1.2V).
Use qualified charger when 5V **C port** is applied. Poor USB charger might cause severe damage to this unit, particularly in HF high power scenario
2. This unit has no built-in charging circuitry.
3. Be sure to switch off POWER after use for saving battery power
4. Accuracy: ✦ Over 5W : +/- 5%
✦ 1W-5W : for reference only