



# INSTRUCTION MANUAL

## RS-50MAX / RS70MAX Digital SWR / Watt Meter

### 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

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	0-120 W	0-200 W
Testing function	FWD / REF / ROE	
Measure (MAX OFF)	CW, FM, FDMA	
Measure (MAX ON)	DMR, SSB, AM	SSB, AM
Insertion loss	Inferior a 0.3 dB	
Impedance	50 Ohm	
Power source	AAA batteries / USB C port	
Connector	SO239	
Dimensions (W/H/D)	70 x 78 x 30 mm	
Net weight	220 grs (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