SWR/Power Meter

Instruction manual

Main Features:

1. Measure Forward / Reversed / VSWR
2. LED backlit display for ease of reading
3. Power source : internal "AAA" batteries / external USB port.
4. Applicable rechargeable battery
5. Micro USB - DC 5V output (charger not included)
   Point 2-5 apply to RS-50, RS-70 only

Specifications:

Model	**RS-27**	**RS-40**	**RS-50**	**RS-70**
Frequency range	26-30MHz	140-150MHz, 430-450MHz	140-170MHz, 430-470MHz	1.6-60 MHz
Power range	0-1KW	15/60/200W	0-120W	0-200W
Testing functions	Fwd / Rev Power, SWR			
Insertion loss	0.3 dB or lower			
Impedance	50 ohm			
Power source	None		Battery "AAA" / Micro USB port	
Connector	"M" type		"M" type or "N" type	
Dimension	70W x 78H x 30D mm			
Net Weight	180 g		220 g (no batteries)	

RS-27, RS-40 Power Measurement

(1) Set the function switch to PWR position
(2) Set the power range switch to appropriate power range corresponding to the power of your radio equipment
(3) Set the radio equipment on transmit and read out a scale corresponding to the range. (High:200W, Mideum:60W, Low:15W)

RS-27, RS-40 SWR measurement

(1) Measure output power as described in the section 1.
(2) Power range switch unchanged, set the function switch to SWR position
(3) Set the radio equipment on transmit mode, and figure out SWR by reading out cross section of the extension point of auxiliaryscale at the right end which is corresponding to the power reading indicated in section 1 and meter indicator reading. (High range..., Medium range..., Low range....)

RS-50, 70 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) For back-light, please switch "LIGHT" to "ON". No function in 30 seconds, backlight will automatically off. Once PTT launched, the backlit will be back

RS-50, 70 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

RS-50,70 Notes

(1) Can be use both alkaline battery(1.5V) or rechargeable battery(1.2V)
Use qualified charger when 5V USB 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 both "Power" & "Light" after use for saving battery power.
(4) Accuracy : Over 5W : +/- 5%
1W-5W : for reference

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