



# SWR/POWER METER USER MANUAL

## Model: RS-27

Main features :

RS-27 SWR&POWER meter can read out directly without any calibration.

RS-27's maximum measurable power range up to 1KW.

Low insertion loss structure allows it to be connected permanently.

### 1. Output 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: 1KW, Mideum: 100W, Low: 10W)

### 2. SWR measurement

- (1) Measure output power as described in the section 1.
- (2) Power range switch remain 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....)

### Specifications

Frequency range	26 - 30MHz
Measurable power range	0 - 1000W
Power range	10W, 100W, 1000W
Insertion loss	0.3 dB or lower
Impedance	50 ohm
Dimension	70W x 78H x 30D mm
Weight	180 g
Connector	MJ - MJ (BNC, N optional)

Note:

1. Since the meter movement is very sensitive, avoid excessive vibration or mechanical shock .
2. The absolute maximum power that should be applied to the meter is 1000W.  
Also observe maximum power inputs of 10W and 100W when using the two lower ranges.
3. The meter must never be reverse connected. Always observe the correct connections to transmitter and antenna as indicated on the rear sockets.
4. The meter has been carefully calibrated at the factory, Tampering with any of the internal circuitry or sensors may cause damage and will degrade the meter's accuracy.
5. Do not expose the meter to excessive temperatures, high humidity, or strong magnetic fields.