Digital Cross Needle SWR Power Meter

RDM-1K

HTL RDM-1K is a new form of digital touch-screen high-quality RF power meter that, in addition to having unique features, makes tedious SWR and power measurements during antenna testing, match ing and transmitter tuning very simple. With a new human-machine interface design, the RF power meter combines traditional dual-pointer indication and digital display values to display measurement values more accurately. Mount the RDM-1K power indicator in one meter units. One scale will indicate forward power, the other scale will indicate reflected power, and the SWR will be indicated at the intersection of the 2 pointers. At the same time, the digital display value can also be easily read. This unique feature makes it possible to read forward power, reflected power and SWR at the same time more accurately.

The full-color touch screen allows selection of multiple power ranges to improve measurement accuracy at any power level. The brightness of the full-color screen can be adjusted to suit various environmental conditions. The intuitive design and easy-to-read digital display will make the RDM-1K the best choice for your radio shed!

Patent Pending
Japan : 3249479
Taiwan : 113207349
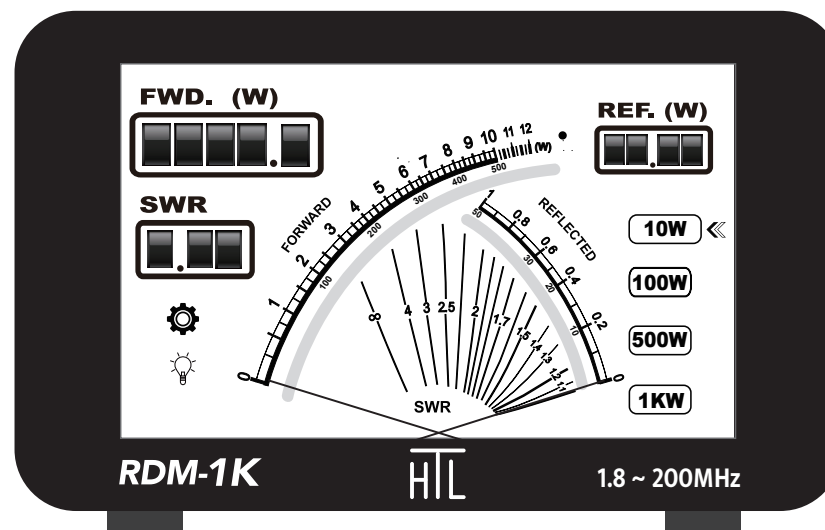
Range:1.8MHz ~ 200MHz

MAX Continuous Power

1.8 ~ 30MHz: approx. 1KW

50MHz: approx. 1KW

140 ~ 200MHz: approx. 1KW

■SPECIFICATIONS

	HP Type
Frequency	1.8~200MHz
Power range:Forward	10 / 100 / 500 / 1KW
Tolerance	±10% at full scale
SWR measurement	1.00 ~9.99
Input/output impedance	50 ohms
Input/output connectors	M Type (so-239)
DC Power Supply	DC 13.8V(130mA)
Dimensions and weight	150x 95x110 mm Approx. 900g

■OPERATION

Antenna or Dummy Load

POWER

DC 13.8V

PASS

DC
13.8V/0.5A
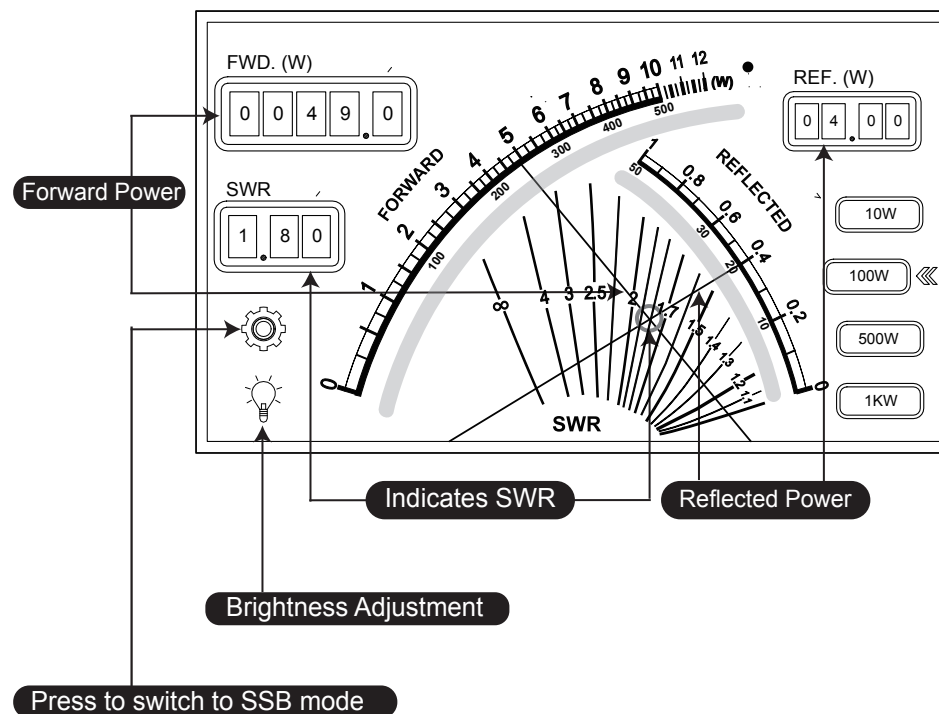
POWER

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MADE IN TAIWAN

**HF/VHF
Transceiver**
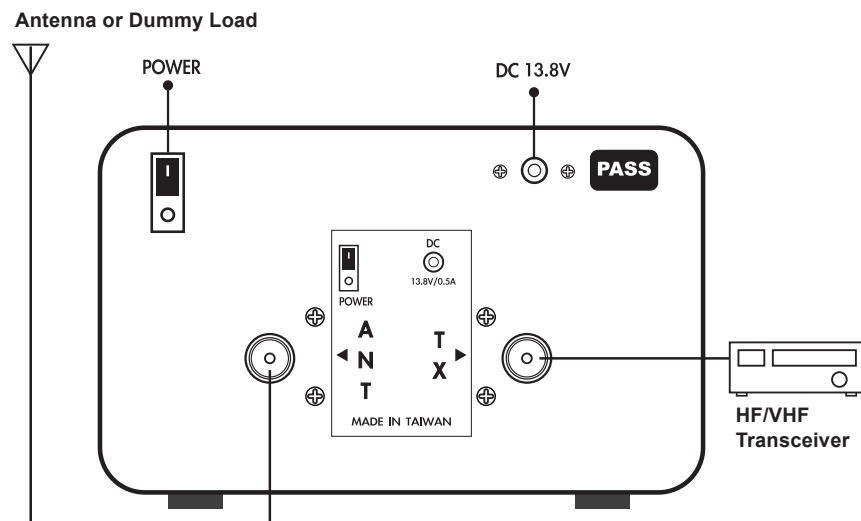
- Use only 50ohms coaxial cable.
- DC Power(13.8V) is necessary to operate.(for main PCB)

■MEASURING

Pf : Forward Power   Pr : Reflected Power

$$SWR = \frac{\sqrt{P_f} + \sqrt{P_r}}{\sqrt{P_f} - \sqrt{P_r}} = \frac{\sqrt{49} + \sqrt{4}}{\sqrt{49} - \sqrt{4}} = 1.80$$

FWD. (W)

0 0 4 9 0

REF. (W)

0 4 0 0

SWR

1 8 0

FORWARD

REFLECTED

10W

100W ≪

500W

1KW

SWR

Forward Power

Indicates SWR

Reflected Power

Brightness Adjustment

Press to switch to SSB mode

- DC Power (13.8) is necessary to operate.
- The Cross point of two needles indicates SWR.