

1050A Digital VHF/UHF Power & SWR Meter

Specifications:

MAX.POWER	120 W
V.S.W.R	1.00~19.9
FREQUENCY RANGE	VHF (145mhz) / UHF(435mhz) COVER:100mhz~500mhz
INSERTION LOSS	< 0.15dB(VHF) , < 0.25dB(UHF)
TEMPERATURE	0-70 degree C.
BATTERY	3 x AAA Type Battery or Rechargeable
SIZE	66*68*37 (mm)
INTERFACE	N Type (SL16)
WEIGHT	<260g

Battery installation:

Remove 4 black philips head screws on each corner of back cover and open it.

Install 3 AAA batteries. CAUTION: DO NOT REVERSE POLARITY

Replace the cover and fasten the screws.

IMPROPER INSTALLATION OF BACK COVER WILL CAUSE ERROR ON U-BAND MEASUREMENT!

SWR digital meter will display in sequence at 2 second intervals:

- 1). "+ .00 P" (Forward power)"
- 2). "- .00 P" (Reverse power),"
- 3). " 1.-.-. Γ" (SWR value),

Press the red button will hold the current display. Press it again to continue the display.

To illuminate the display in dark conditions, press and hold the red button for 1 second again to turn it off again.

If no power was measured for eight (8) minutes, meter will power off automatically. Press and hold the red button for 2 seconds to turn off manually.

Operation:

Connect the output of your transceiver to "TX" and antenna or load to "ANT".

Press the red button to power on.

After 2 seconds of LCD self test, the device is ready for normal measurement.

Key up the transmitter and observe the SWR meter display.

Referring to points 1,2,3 above read off the information in sequence

- 1). Power out of the radio into the antenna (should read about 5 watts)
- 2). Power reflected back from the antenna into the radio (should be no more than 1-1.5 watts)
- 3). The ratio (SWR) value between forward and reverse power -
the lower the ratio the better the antenna system - typical readings of 1.1 - 2.0 are expected.
Higher ratios (above 2.0), indicate an antenna problem.
Causes may range from an the antenna being untuned (too long or too short.)
to water ingress into the coax cable.

For further reading see

[Two way radio installation and maintenance](#)

at www.coastalelectronics.com.au



RED Dot 1050A SWR Bridge

Type:	Instructions
Date:	26/11/2012
Site:	
System:	