

Owner's Guide



RPSWR-2C

Compact Antenna & Coax Text Device

SWR/Power Meter

This unit is a compact device for checking operation of the CB transceiver and antenna. It may be used as a test device or installed permanently.

For SWR and power measurement, the unit uses the bridge method of comparing the voltage supplied to that reflected from the antenna system. The operator can accurately and quickly match the antenna to the transceiver and measure the power being fed into the antenna.

A short coaxial cable with two male connectors will be needed to use the meter

SWR MEASUREMENT OPERATION

- ▶ Turn the transceiver "OFF" and disconnect the antenna coaxial cable.
- ▶ Connect the antenna coaxial cable to the jack marked "Antenna" on the meter.
- ▶ Connect the short coaxial to the jack marked "Radio" on the meter, and connect other end to your transceiver antenna jack.
- ▶ Turn the calibration "CAL" knob to minimum. Position the "PWR-SWR" switch to "SWR". Position the "FWD-REF" switch to "FWD".
- ▶ Press the transmit button on the radio mic and adjust the calibration knob until the meter reaches full scale at the "Set" mark.
- ▶ Set the "FWD-REF" switch to "REF", press the transmit button on the radio mic and read the SWR value on the meter.
- ▶ A 1:1 ratio is the ideal match. Adjust your antenna so that the SWR is as low as possible. A SWR value of 2.0 is considered satisfactory, taking into account the line loss and slight mismatching.

POWER MEASUREMENT OPERATION

- ▶ Position the "PWR-SWR" switch to "PWR". Set the "FWD-REF" (Also marked "10W-100W") to "100W" (or "REF").
- ▶ Press the transmit button on the radio mic and transmit a signal.
- ▶ The meter will indicate the power being fed to the antenna.
- ▶ If the reading is less than 10 Watts, set the "10W-100W" switch to "10W" to get a more accurate reading.

WARNING

This instrument will handle up to 100 Watts. Transceivers using power over this rating may damage the meter and void the warranty.

ROADPRO LIMITED LIFETIME WARRANTY

This RoadPro product is guaranteed to be free from defects in workmanship and materials for the lifetime of the product providing no abuse has occurred. The defective product may be returned to RoadPro, 1875 Zeiger Road, Elizabethtown, PA 17022 freight prepaid and we will repair it, or at our option replace it at no additional charge. Limitations to this warranty include: implied warranties, inconvenience, loss of use of your product or property damage caused by your product or its failure to work, or any other incidental or consequential damages including personal injury. This warranty does not include defects resulting from accidents, damage while in transit to our location, unauthorized repairs, misuse, fire, flood or act of God. When returning products to RoadPro please carefully pack and send along with your name, address, phone number and a description of the operating problem.