

INSTALLATION

To install the SX200/400 or SX-600 simply connect coaxial cable directed to the antenna connector marked "ANT", and The cable coming from the transmitter or from the linear amplifier to the connector marked "TX" SX-200/400 or SX-600 is ready to operate.

POWER MEASUREMENTS

- 1 Select the RANGE (3) switch on the end-scale position value as to the power of the unit
- 2 Select the FUNCTION (4) switch in the power position
- 3 Select the POWER switch the FWD position to measure the direct power(from the radio to antenna) or REF position to measure the reflected power(from antenna to the radio)
- 4 Select the power value can be read on the corresponding scale.

SWR MEASUREMENTS

- 1 Select the RANGE (3) switch on the end-scale position value as to the power of the unit.
- 2 Select the FUNCTION (4) switch in the CAL position .
- 3 Let the radio transmit and adjust the instrument by turning the CAL knob, position the end-scale index in the CAL position.
- 4 Select the FUNCTION (4) switch in the SWR position
- 5 Read the SWR value in the above scale.

FIG5 (FOR SX-200 OR SX-400)

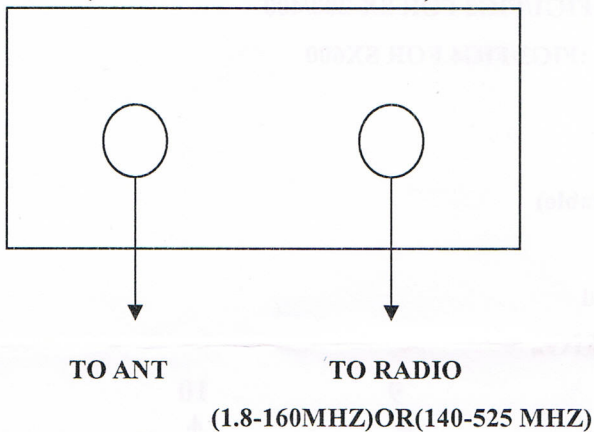
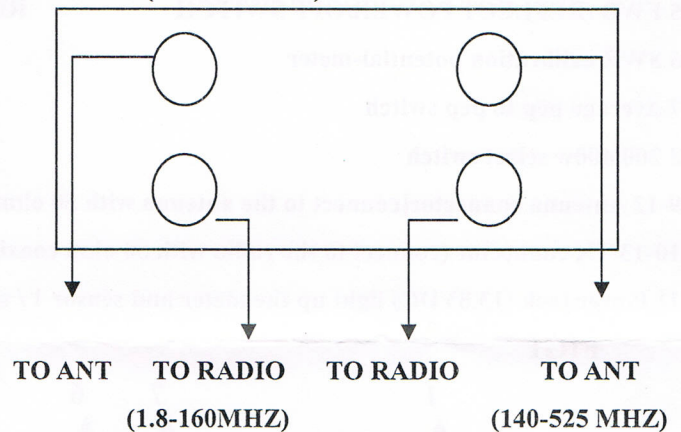


FIG6 (FOR SX-600)



REMARK: SWR VS. REFLECT POWER

$$\text{SWR (STANDING WAVE RATIO)} = \frac{\sqrt{P_{\text{fwd}}} + \sqrt{P_{\text{rev}}}}{\sqrt{P_{\text{fwd}}} - \sqrt{P_{\text{rev}}}}$$

SWR	1.0	1.1	1.2	1.5	2.0	2.5	3.0
Prev%	0	0.22	0.8	4	11.1	8.4	25.0

SPECIFICATION

FREQUENCY RANGE:1.8~160 MHZ(SX-200,SX-600) , 140~525 MHZ (SX-400,SX-600)

POWER MEASURE RANGE :0.5~400W(5W/20W/200W/400W)

MINIMUM POWER INPUT :0.5W

PRECISION:.....5W RANGE $\pm 5\%$, 20W RANGE $\pm 7.5\%$, 200W RANGE $\pm 10\%$, 400W RANGE $\pm 12.5\%$

SWR:..... 1~INFINITY

IMPEDANCE:.....50ohm

INPUT LOSS:.....0.2db (1.8~160 MHZ),(140~525MHZ)

DEMISION:.....15X6.5X10CM

WEIGHT:.....720gr.(SX-600), 630gr.(SX-200/400)