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HANSEN

POWER-SWR METER

MODEL FS-5

INSTRUCTION MANUAL

HANSEN ELECTRONICS CORPORATION

INSTRUCTION MANUAL

MODEL FS-5 POWER-SWR METER

The Model FS-5 is an easy to operate compact POWER-SWR METER. This consists of Power Meter and SWR Meter adaptable to 50~52 ohms co-ax line and 73~75 ohms co-ax. Power Meter can be measured for 0~100 watt and SWR Meter for 1~3 V. S. W. R on antenna circuit.

SPECIFICATION

Range Measured	: Power Meter	0~10, 100 watt 2 ranges
	SWR Meter	1~3 V. S. W. R
Frequency Response	: 3 MHz~144 MHz	
Adapted circuit	: 50~52 ohms and 73~75 ohms co-ax line.	
		A short cable with plugs on the both ends is required. (shorter than 1 m)
Composition	: Power Meter. SWR Meter.	
Meter Movement	: Power Meter	100 μ A DC FSD.
	SWR Meter	50 μ A DC FSD.
Dimension	: 70 (H) \times 98 (D) \times 100 (W).	m/m.
Weight	: 900 g.	

OPERATION

1. Turn the transmitter off. Disconnect the antenna from the output terminal of the transmitter.
2. By using short co-ax cable, connect the terminal on one side of the Model FS-5 marked "TRANSMITTER" to the output terminal of the transmitter. And then the antenna co-ax cable to the connector marked "ANTENNA" on the other side of the Model FS-5, and set switch S_3 in the side suitable impedance for antenna

circuit.

3. The Model FS-5 has two measurement ranges 0~10 watt and 0~100 watt. Set the slide switch S_1 (left hand) to ranges desired.
4. Set the slide switch S_2 (right hand) to the "FOR" position. Next, rotate the adjusting knob. Turn the counter clock wise till end.
5. Turn the transmitter on and than do power supply.
6. Adjust the transmitter finally.
7. After the transmitter adjuster, rotate the adjusting knob for full meter scale of SWR indicator (right hand).
8. Set the slide switch on you right hand to "REF" position. The indicator of the SWR Meter (right hand) will give you the V. S. W. R value of the antenna circuit.
9. When the indication of SWR Meter is less than 1.3, scale reading of the Power Meter (left hand) shows R. F output of transmitter.

- NOTE: 1. SWR Meter required output of transmitter more than 5 watt at 3 MHz.
2. Severe damage can occur if you disconnect the antenna circuit when power is applied.



