

**Figure 1**  
**MODEL TC-4002-PSW**

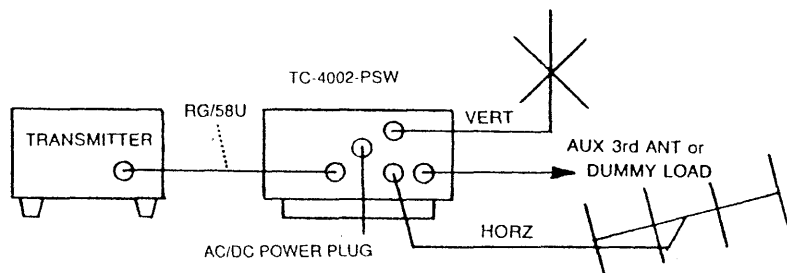
1. Antenna Selector Switch
2. RMS/PEAK Mode Switch
3. 2000/4000 Watt Range Switch
4. Set/Modulation Switch
5. Mode Selector Switch for Watts, SWR and Modulation
6. Ear-Phone Plug
7. Modulation Mode Switch for SSB/AM
8. RF Level Control Modulation and SWR-Volume Control for Ear-Phone Plug
9. Lite Switch

### IMPORTANT

On the Model TC-4002-PSW, be VERY careful if only one antenna is used. Before the transmitter is keyed, make sure the antenna switch (#1, Fig. 1) is in the proper position for desired antenna. If this switch is in one of the other positions and the transmitter sees an open load, the watt meter diodes may be damaged and the transmitter may also be damaged.

### TC-4002-PSW INSTALLATION

The TC-4002-PSW Test Center can be installed at any point in your transmitter Line. Fig. 2.



**Figure 2**

### HEADPHONE & DIAL LIGHT

All Dosy meters equipped with head phone jack and meter panel dial lights must be plugged into a 120-volt outlet with the power adapter that is furnished. The power adapter cable must be plugged into the AC/DC socket on the back of the meter cabinet. Position the toggle switch to the "ON" position on the front panel, at this time the panel light should be on.

After you connect the antenna and the transmitter to the meter, make sure you turn the RF level control fully counterclockwise and key the transmitter. At this time whistle or talk into the microphone, and advance the phone volume control to desired audio level. (The headphone will operate in all positions of the mode selector switch.) It is not recommended to monitor audio in SWR or modulation mode settings. The set adjust in the two adjustments will also increase the audio through the earphone.

### WATTS

The TC-4002-PSW Test Center will indicate the power output (in watts) of your equipment at the point in the transmission Line where you have installed the Test Center. To measure any power from 1 to 2000 Watts, just set the Mode Selector Switch (#5, Fig. 1) to the range to be measured. If wattage to be measured is larger than 2000 watts, the rocker switch (#3, Fig. 1) must be switched to the 4000 Watt position. When returning back to the 2000 watt scale, you must return the rocker switch #3 back to the 2000 watt position.

### RMS/PEAK WATTS

Rocker switch (#2, Fig. 1) permits the selection of either RMS or Peak Watt reading when measuring watts. In the RMS position, there will be steady or very little movement of the watt meter needle. When rocker switch #2 is in Peak position, watt meter will indicate peak power output.

### SWR check:

1. Turn Selector Switch (#5, Fig. 1) to FWD/SET position.
2. Turn RF control (#8, Fig. 1) to MIN.
3. Key Transmitter and turn RF level to give a full-scale meter reading to set on SWR scale.
4. With Transmitter keyed, switch Selector switch (#5, Fig. 1) to the SWR position and read SWR ratio directly on SWR scale.

### AM MODULATION check:

1. Turn Mode Selector Switch (#5, Fig. 1) to the MODULATION position.
2. Set Modulation rocker switch (#4, Fig. 1) to SET.
3. Set rocker switch (#7, Fig. 1) to AM position.
4. Turn RF level control (#8, Fig. 1) to MIN.
5. Key Transmitter and turn RF level control to read full scale to SET on AM Modulation scale on meter.
6. With Transmitter keyed, switch rocker switch (#4, Fig. 1) back to the Modulation position and talk into the microphone or, with a steady whistle, read modulation percentage on the AM scale.