Welcome to the online version of your DOSY Manual.
We hope that you find this helpful and informative.

PM-1000 Meter Scale Reading

Up to 30 Watts..... 30 Scale
Up to 300 Watts ..... 30 Scale X 10
Up to 1000 Watts ..... 1000 Scale

PM-2001 Meter Scale Reading

Up to 20 Watts..... 20 Scale
Up to 200 Watts ..... 20 Scale X 10
Up to 2000 Watts ..... 2000 Scale

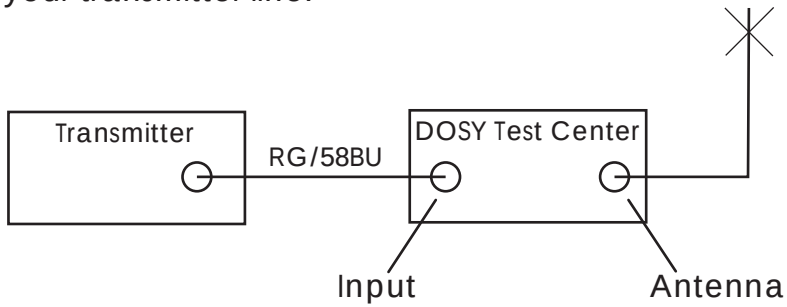
DOSY

DOSY PM-1000/PM-2001 Test Center Instruction Manual

Figure 1

Installation Instructions

The test center can be installed at any point in your transmitter line.



Operating Instructions

Watts

The PM-1000/PM-2001 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 1000 watts (2000 watts on PM-2001), just set the power range selector switch (#3 Fig. 1) to the appropriate range - 30, 100, 1000 (or 20, 200, 2000 on PM-2001) watts. Key the transmitter and read the wattage on the corresponding scale.

NOTE: If power output is uncertain, use the highest range and work down until the range is appropriate to prevent possible damage to the meter movement.

Peak Watts

The PM-1000/PM-2001 watt meter will indicate peak watts when transmitter is modulated.

SWR Set

1. Turn Mode Selector switch (#3 Fig. 1) to the SWR SET position
2. Turn RF Level Control (#1 Fig. 1) to MIN
3. Key Transmitter and turn RF Level Control (#3 Fig. 1) to give a full scale meter reading to SWR SET on meter scale.
4. With Transmitter keyed, switch Mode Selector Switch (#3 Fig.1) to SWR position and read SWR ratio directly on SWR Scale.

NOTE: The SWR Functions need to be performed on each wattage range to prevent possible damage to the meter movements.

A.M. Modulation Check

1. Turn Mode Selector Switch (#3 Fig. 1) to MOD position
2. Switch MOD/SET rocker (#2 Fig. 1) to SET
2. Turn RF Level Control (#1 Fig. 1) to MIN
3. Key Transmitter and turn MOD RF Level Control (#1 Fig. 1) to read full scale to MOD SET on meter scale
4. With transmitter keyed, switch MOD/SET rocker (#2 Fig. 1) to MOD position and talk or steadily whistle into microphone. Read modulation percentage on AM MOD scale
5. **DO NOT CHECK MODULATION WITH HIGH POWER**

NOTE: A.M. modulation check functions must be performed on each wattage range, to prevent possible damage to the meter movements.

General Notation

On Grounded Grid amplifiers, we do not recommend checking modulation at higher powers. Grounded Grid amplifiers will not be able to output 100% modulation in the A.M. mode, however, the feed through power prevents the grounded grid from being fully modulated. This is the reason A.M. modulation should be checked at the transmitter, or with the Linear Amplifier in standby position.