

SPECIFICATIONS

RF WATTMETER

Impedance	50 ohms.
Internal Load	50-ohm, 50-watt continuous, 100-watt intermittent.
External Load	Switch-selectable.
Ranges	0-10 watts, 0-50 watts, 0-100 watts.
Accuracy	±5%.
Metering Selection	Forward or reverse. Average or peak.
Frequency	27 MHz band.
SWR Scale	1:1 to 5:1 direct reading.
Insertion VSWR	Less than 1.1:1
Connector Type	
Input	Standard antenna type SO239 (UHF); mates with PL-259 antenna plug.
External Load	Standard antenna type SO239.

AUDIO WATTMETER

Load impedance	Switch-selectable. 4 ohms, 8 ohms or 16 ohms.
Load Rating	10 watts, continuous.
Ranges	0-100 milliwatts, 0-1 watt and 0-10 watts; auxiliary dB scale reads -20 dB to +3 dB.
Accuracy	±0.5 dB from 30 Hz to 15 kHz.
Connector Type	Banana plug receptacle.

DISTORTION MEASUREMENT

Type	Total harmonic distortion.
Scale	0-30% direct reading.
Accuracy	±5%.
Frequency	1 kHz, ±100 Hz.

AUDIO SECTION

Outputs	Receiver audio. 1 kHz test tone. Two-tone test signal.
Output Device	Speaker or output jack.
Level	Variable volume.

1 kHz Test Tone

Accuracy	±10%.
Distortion	Less than 1%.
Two-tone Test Signal	500 and 2400 Hz two-tone
Speaker	Microphone modulation of transmitter.
Output Connector Type	Banana plug receptacle.

FREQUENCY COUNTER OUTPUT

Level	50 millivolts minimum at 1 watt RF input, for direct reading of transmitter carrier frequency.
Impedance	10 kΩ
Connector Type	BNC.

OSCILLOSCOPE OUTPUT

Transmit	1 MHz representation of 27 MHz carrier for visual examination of modulation envelope on any low-frequency oscilloscope.
Receive	Displays audio output of receiver.
Impedance	10 kΩ
Connector Type	BNC.

RF GENERATOR INPUT

Protection	RF generator coupled to transceiver in receive mode. In transmit mode, RF generator input automatically disconnected from transceiver antenna jack. Full protection when unit is off.
Impedance	50 ohms.
Connector Type	BNC.
Frequency	No limitation.

POWER REQUIREMENTS

120 VAC, 60 Hz	3 watts.
12 VDC	150 milliamperes. Reverse polarity protection provided.

WEIGHT: 2.55 Kg. (5 lbs. 10 oz.).

DIMENSIONS (HWD): 10.16 x 34.29 x 27.94 cm (4 x 13½ x 11").