

RF MILLIVOLTER

SPECIFICATIONS



MODEL RF-801

Full Range RF Millivoltmeter that Tests Circuit Performance

RF-801 RF Millivoltmeter is an essential tool for the radio technician. It allows the technician to measure RF circuit performance and quickly isolate defective circuits. The analog meter allows tuning of circuit components, and the handy probe permits on-board measurements to be made.

- Full voltage range: 300 microvolts to 100 volts
- Full frequency range: to beyond 1.6 GHz
- Less than 2 picofarads (pf) circuit loading
- Check receivers from antenna jack to discriminator
- Check transmitters from oscillator to antenna jack
- Check solid state antenna relays

Voltage Range

1 millivolt to 3 volts (full scale).
Lowest useful reading 300 microvolts. Measures to 100 volts with 50 dB Attenuator

Accuracy

(As measured with 50 ohm terminating BNC Adapter.)
20 kHz 520 MHz: 1.0 dB
520 MHz to 1000 MHz: 3.0 dB
1000 MHz to 1600 MHz: 3.0 dB
Usable as indicator to 3 GHz

Probe Input Impedance

100,000 ohms. In parallel with 2 pf

50 dB Adapter Input Impedance

1.2 pf

Indication

Calibrated in RMS volts and dBm.
True RMS reading on bottom four scales

Power Requirements

110/120 V or 220/240 V, 50/60 Hz as chosen by transformer taps.
Also operable from 13.5 V negative ground automotive supply

Dimensions

3" H x 8 1/2" W x 6 1/8" D
(76 mm H x 216 mm W x 175 mm D)

With a voltage range of 300 microvolts to 100 volts and a frequency range beyond 1.6 GHz, the RF Millivoltmeter is an indispensable tool for troubleshooting RF circuits. The proprietary noise reduction circuitry reduces noise when working on non-battery operated equipment. The unit comes complete with probe, 50 dB attenuator, terminated BNC adapter, teflon extension tip, and ground strap.

Weight

4.2 lbs.
(1.9 kg)

Accessories Supplied

Probe with 4 ft (1.2 m) cable
Low inductance grounding probe cap
50 dB Attenuator
Teflon probe extension tip
Protective grounding lead
50 ohm terminating BNC adapter
12 volt plug

Optional Accessories

Unterminated BNC Adapter

[Lineman](#) | [Matchbox 800](#) | [Sinadder Linear 5](#) | [Sinadder](#)

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