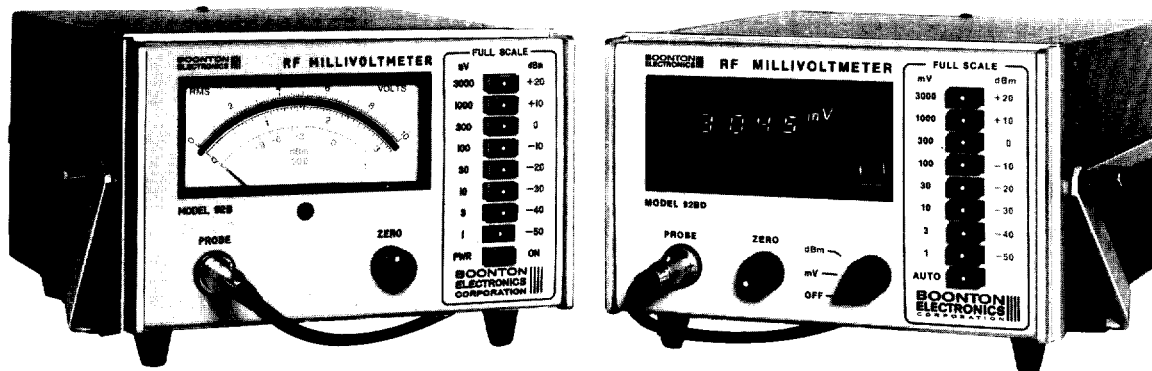


RF Millivoltmeters Model 92 Series



These rf millivoltmeters offer the best choice for sensitive, wide-band, accurate rf voltage measurements.

Model 92B, a programmable analog version, has a large mirrored-scale meter with linear 0-3 and 0-10 voltage ranges, a dBm scale (1 mW into 50 Ω) and dc output.

Model 92B-S5, substantially same as Model 92B with mechanical strengthening to withstand greater shock and vibration, and extra humidity protection. 91-24A Probe Kit included.

Model 92BD, a programmable digital version, has 4 digit display, serial BCD data outputs, dc output. Major options are dBm display (0.01 dB resolution) and autoranging.

Model 92C, a low-cost analog version, saves by eliminating programming and dc output, by making the most sensitive range 3 mV fs, and by working to a more modest accuracy specification.

Data Bus

The Model 92BD may be adapted to the IEEE-488 Standard Data Bus by use of the Model 10A-04 Bus Interface Unit (see page 9).

SPECIFICATIONS

Analog Model 92B

Voltage Range: 200 μ V to 3V (300 V up to 700 MHz with divider).

Useful indications down to 100 μ V.

Frequency Range: 10 kHz to 1.2 GHz.

Basic Accuracy: $\pm(1\% \text{ rdg} + 1\% \text{ fs})$.

Indicator: 4 1/2" taut-band meter; scales 0-3, 0-10 and dBm.

Remote Control: All functions and ranges commanded by TTL inputs.

DC Output: 10 V fs.

Digital Model 92BD

Voltage Range: 200 μ V to 3V (300 V up to 700 MHz with divider).

Frequency Range: 10 kHz to 1.2 GHz.

Basic Accuracy: $\pm(1\% \text{ rdg} + 1\% \text{ fs})$.

Display: 4 digit LED, reads 1000 fs for "10" ranges and 3000 fs for "3" ranges. Small analog meter to right of display is scaled in dBm.

Data Outputs: BCD (serial) digits, binary coded range information. Overrange, underrange, encode complete.

Remote Control: All functions and ranges commanded with TTL inputs.

DC Output: 10 V fs.

Model 92C

Voltage Range: 500 μ V to 3V (300 V up to 700 MHz with divider).

Frequency Range: 10 kHz to 1.2 GHz.

Basic Accuracy: $\pm(1\% \text{ rdg} + 2\% \text{ fs})$.

Indicator: 4 1/2" taut-band meter; scales, 0-3, 0-10 and dBm.

FURNISHED ACCESSORIES (all models)



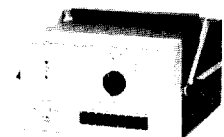
RF Probe with low noise cable and connector	91-12F
50 Ω BNC Adapter: 1 kHz to 600 MHz	91-8B
Removable Probe Tip with grounding clip lead	91-13B

OPTIONS (all models)

See options list, page 23

Available Accessories (all models): 91-4C thru 91-24A/1 and 950030, 950032 (see accessories).

RF Millivoltmeter Calibrator Model 26A



Provides full scale and incremental signal levels required for calibration of all Boonton RF Millivoltmeters.

Dynamic Range: 60 μ V to 3000 mV

Full Scale Functions: 0.3, 1, 3, 10, 30, 100, 300, 1000, 3000 mV

Down Scale Increments: 20 — 100% fs, 10% fs steps

Calibration Uncertainty: $< \pm 0.5\% \text{ rdg}$
(at 25°C)

Harmonic Distortion: $< 0.15\%$

Temperature Influence: $+0.01\% / ^\circ\text{C}$
(0 - 50°C)

Output Frequency: 1 MHz, xtal controlled

Output Impedance: 25 Ω

Accessory Supplied: Model 91-6G male BNC open circuit probe adapter.

Available Accessories: 950030, 950032 (see accessories).