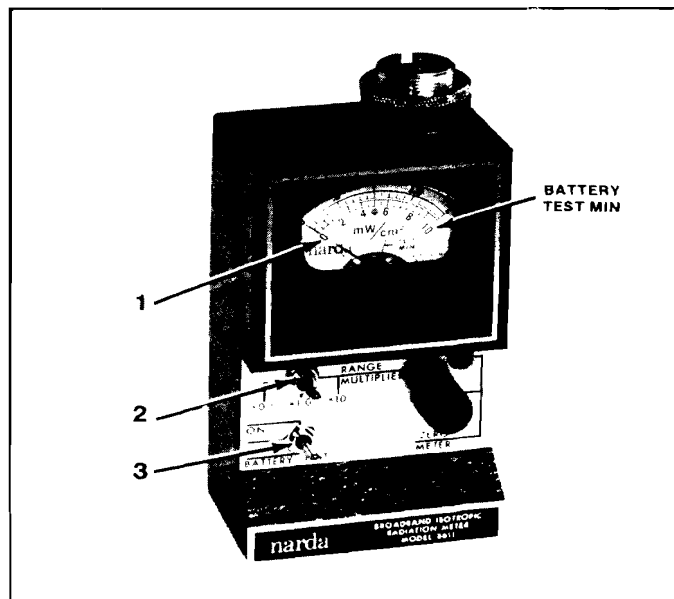


**Radiation Monitors**

# MODEL 8611 METERING INSTRUMENT



## DESCRIPTION

### 1. Meter

The direct reading meter of the Model 8611 has a 1.63 inch linear scale which permits measurement with good resolution.

### 2. Range Selection

The full 1000:1 (30 dB) dynamic range of the Model 8611 is utilized through use of a range switch, permitting selection of any of the three available ranges.

### 3. Battery Test

To ensure the proper operating voltage, pre-operation testing of the 5.6 Volt NEDA-1404 batteries is accomplished through the BAT TEST position of the front panel switch.

### 4. Response Time

The unit has a nominal 1 second response time (the time it takes for the meter to reach 90% of its steady state reading when subjected to a stepped input signal).

### Compatible Probes

When using the Model 8611 meter, all 8600 series probes are interchangeable.

## FEATURES

- Light weight
- Small Size
- Compatible with All Probes
- 30 dB Dynamic Range

# Radiation Monitors

## SPECIFICATIONS

The 8611 Meter can be used with all 8600 series probes:

Probe Model	Frequency Range	Full Scale Ranges	Range of Measurement
8652 8662B	300 kHz-10 MHz 300 kHz-1 GHz	2, 20 and 200 mW/cm <sup>2</sup>	0.1 to 200 mW/cm <sup>2</sup>
8661	300 kHz-1 GHz	0.2, 2 and 20 mW/cm <sup>2</sup>	0.01 to 20 mW/cm <sup>2</sup>
8631	10 MHz-300 MHz	0.2, 2 and 20 mW/cm <sup>2</sup>	0.01 to 20 mW/cm <sup>2</sup>
8633		1, 10 and 100 mW/cm <sup>2</sup>	0.05 to 100 mW/cm <sup>2</sup>
8682	300 kHz-1.5 GHz	2, 20 and 200% ANSI RFGP	0.02 to 200% ANSI RFGP
8621D	300 MHz-40 GHz	0.2, 2 and 20 mW/cm <sup>2</sup>	0.01 to 20 mW/cm <sup>2</sup>
8623D		1, 10 and 100 mW/cm <sup>2</sup>	0.05 to 100 mW/cm <sup>2</sup>



Model 8611

## 8611 METER SPECIFICATIONS

Dynamic Range	30 dB
Power or Field Strength Reading Ranges	See chart above
Meter Scales	Linear Marked 0-2 and 0-10
Instrument Accuracy	±3%
Sensitivity Ranges	Three, selected by front panel switch
Zero Control	Front panel knob
Response Time including Meter (The time it takes for the meter indicator to reach 90% of its final steady state reading when subjected to a stepped input signal.)	1 second (nominal)
Battery Data: Battery Type Battery Life	Two 5.6 volt-NEDA 1404 disposable 500 hours (approx.)
Battery Test Function	Selected by front panel switch
Operating Temperature	0-50° C
Size	4 <sup>5</sup> / <sub>8</sub> " x 2 <sup>5</sup> / <sub>8</sub> " x 1 <sup>3</sup> / <sub>4</sub> " (11.75 cm x 6.67 cm x 4.45 cm)
Weight	1.3 lbs (.6 kg)

The Model 8611 Meter is supplied with a shielded carrying case which provides form fitted cutouts to accommodate the meter and three radiation monitor probes, and a complete Operation and Maintenance Manual covering the meter and all compatible probes.