

## Model 8712 Survey Meter



- ◆ Extremely Easy To Operate
- ◆ Powerful, Microprocessor Design
- ◆ Single, 30 dB Dynamic Range
- ◆ Large-Character Liquid Crystal Display (LCD)
- ◆ Displays Fields in  $\text{mW}/\text{cm}^2$ ,  $\text{W}/\text{m}^2$ ,  $\text{V}/\text{m}$ ,  $\text{A}/\text{m}$ , and Percent of International Standards
- ◆ Small Size, Ergonomic Design
- ◆ Lightweight
- ◆ Variable Alarm

### Description

The Model 8712 Survey Meter combines an unprecedented ease of operation with powerful measurement capabilities. It is fully compatible with all 8700 series probes. This cost-effective, small, lightweight meter is ideal for applications that require accurate measurements but not all the extra features of the Model 8718B Survey Meter. It operates from a standard 9 Volt battery. A shielded, foam-lined case that holds both the Model 8712 and two probes is standard.

### Operation

The 8712 was designed with the new or occasional user in mind so that the most common measurement mistakes cannot happen.

**NO RANGE CHANGES** – the meter automatically displays a numeric value over the probe's entire measurement range. The user simply pushes the **Probe** button until the arrow points to the full scale measurement range of the probe. The probe ranges are even color coded on the meter to match the color of the probe.

**NO CONFUSING SCALES** – once you select the probe's full scale measurement range you simply read the digital display, including the units of measure.

**NO DIFFICULT ZEROING** – just touch the Auto Zero key.

**NO UNIT CALCULATIONS** – simply select the unit of measure that you want. Only units appropriate to the probe you are using can be selected.

**NO FORGETTING THAT YOU ARE IN THE MAXIMUM HOLD MODE** – the meter clearly displays the word "MAX" when you are in the maximum hold mode. The digital display shows the maximum value while the bar graph continues to indicate the instantaneous value.

**LESS CHANCE OF DAMAGING THE PROBE DUE TO AN OVERLOAD CONDITION** – the meter gives both audio and visual warnings of an over range condition, which greatly reduces the chance that a probe will be damaged.

## Specifications

| Model  | 8712  |
|--|---|
| Display Type<br>Digital Output<br>Bar Graph<br>Units | Custom Liquid Crystal Display (LCD)<br>3 1/2 Digits, .44 inch (11mm) Character Height<br>18 Segments<br>Custom Legends                            |
| Controls   | 8 Key Membrane Keypad   |
| Inputs   | Probe Cable Input   |
| Zeroing  | One Touch Auto-Zero   |
| Measurement Range                                    | Single, 30 dB Dynamic Range<br>Bar Graph Auto Ranges or<br>Select One of Three 10 dB Ranges<br>Compatible with all Narda 8700 probes <sup>a</sup> |
| Units  | mW/cm <sup>2</sup> , W/m <sup>2</sup> , V/m, A/m,<br>and Percent of International Standards   |
| Audible Alarm  | Probe Overload Warning<br>Variable Alarm from<br>1% to 100% of full scale   |
| Battery Type<br>Life (approx)                        | 9V alkaline<br>50 Hrs.  |
| Size (LxWxD)   | 7.8" x 2.5" x 1.8"<br>(19.8 cm x 6.4 cm x 4.6 cm)   |
| Weight (approx)                                      | 1.4 lbs (0.64 kg)   |
| Temperature Operating<br>Non-Operating               | -20°C to +50°C<br>-20°C to +70°C  |
| Humidity   | 0% to 90%, Non-Condensing   |
| Accessories Supplied                                 | Shielded Storage Case <sup>b</sup> that holds Meter and One or Two Probes,<br>Battery, Manual, Probe Extension Cable Model 8744-04                |
| Optional Accessories                                 | Insulated Handle/Tripod,<br>Model 8713B Electric Field Attenuator   |

<sup>a</sup> Not all units of measure can be displayed when used with Models 8725D (1000 mW/cm<sup>2</sup> full scale) and 8760D (100  $\mu$ W/cm<sup>2</sup> full scale) probes.

<sup>b</sup> The heavy duty storage case supplied with the Model 8712 Meter is foam-lined and shielded to protect the meter and probes in storage and in transit. The meter, manual, and up to two probes can be stored in the case. It is approximately 21" x 13" x 6.3" (53 cm x 33 cm x 16 cm).

**CABLE INPUT**

- Compatible with all 8700 Series probes\*

**AUDIO ALARM**

- Sounds alarm if input exceeds probe's measurement range
- Set variable alarm using "hidden" keys to sound alarm from 1% to 100% of the full scale measurement range of the probe

**SHAPE**

- Easy to hold and well balanced
- No sharp corners

**KEYPAD**

- Positive, tactile feel keys

**HOUSING**

- Rugged, cast aluminum housing
- Fully shielded against strong electromagnetic fields

**DISPLAY**

- Large, bright seven-segment numeric display
- Analog bar graph
- Custom legends indicate unit of measure, battery status, maximum hold mode, etc.
- Arrows indicate probe's full scale measurement range and field type – electric or magnetic

**BATTERY**

- Operates about 50 hours from a standard 9V battery

\* Does not display direct results for 8760D and 8725D probes.