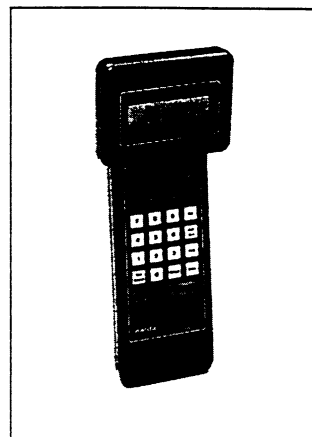


THE MODEL 8718 SURVEY METER— a quantum leap in measurement technology

FEATURES

- Microprocessor-Based Design
- 4 Line x 20 Character Display
- One-Touch Zero
- Displays Fields in Any Unit:
 mW/cm^2 , W/m^2 , V/m , A/m , V^2/m^2 ,
 A^2/m^2 , pJ/cm^3 and Percent of
International Standards
- Intuitive Operation with Help Screens
- Sophisticated Data-Logging
- Time and Spatial Averaging with Data
Storage
- Fiber Optic and Cable Inputs
- RS232 Interface
- Calculates Percent of Standard
- Small, Lightweight, Ergonomic Design



**The revolutionary Model 8718 can satisfy the needs of al-
most anyone that needs to measure electromagnetic fields**

Basic measurements made simple

Advanced measurements unmatched by any other instrument

THE NEW 8700 "D" SERIES PROBES

- **Probes are electrically compatible with all 8700 series meters.** If you use a mix of older style and D series probes, an adaptor cable may be required.
- **Probes do not have integral cables.** The D series probes use a new style quick release connector that allows the probe to be connected directly to the model 8712 meter and to the model 8747 fiber optic transmitter. This is an advantage in certain measurement applications. The quick release connector makes it easy to change probes even with gloved hands. The use of a separate cable also means that a cable failure can be solved by replacing the cable rather than repairing the probe.

ELECTRIC FIELD PROBES NEW

MODEL NO.	FREQUENCY RANGE	MEASUREMENT RANGE			FREQUENCY RESPONSE	SENSOR TYPE	
		Rated	V/m	V ² /m ²			
8782D ^a	3 kHz to 1 MHz	0.1μW/cm ² to 200mW/cm ²	0.61 to 868	0.376 to 753.000	Flat	Active Antenna	
8764D	300 kHz to 300 MHz	100μW/cm ² to 200mW/cm ²	19.4 to 868	376 to 753.000	Flat	Compensated Diode	
8760D	300 kHz to 3.0 GHz	0.05μW/cm ² to 100μW/cm ²	0.5 to 19.4	0.2 to 377			
8761D		10μW/cm ² to 20mW/cm ²	6.13 to 274	37.6 to 75.300			
8762D		100μW/cm ² to 200mW/cm ²	19.4 to 868	376 to 753.000			
A8742D		0.6 to 600% of Standard	—	—			Shape 1
B8742D		—	—	—			Shape 2
8741D		300 kHz to 50 GHz	50μW/cm ² to 20mW/cm ²	13 to 274	169 to 75.300	Flat	Compensated Diode and Thermocouple
A8722D	0.3% to 300% of Standard		—	—	Shape 3		
B8722D					Shape 4		
C8722D					Shape 6		
8721D	300 MHz to 50 GHz ^e	10μW/cm ² to 20mW/cm ²	6.13 to 274	37.6 to 75.300	Flat	Thermocouple	
8723D		50μW/cm ² to 100mW/cm ²	13.7 to 614	188 to 376.000			
8725D	1 to 40 GHz ^e	0.5 mW/cm ² to 1000mW/cm ²	43.4 to 1940	1880 to 3,760,000			
8781D	2 to 18 GHz	20μW/cm ² to 20mW/cm ²	8.67 to 274	75.3 to 75.300	Flat		

^a Model 8782D Probe must be used with fiber optic interface Model 8747

^b Frequency sensitivity can be compensated for by the use of calibration factors marked on the handle of each probe

^c In power (10 log10) units

^d The fields generated to calibrate the probes are accurate within ±0.5 dB

^e This model can be used up to 100 GHz. Refer to the application note on pages 118-119

SPECIFICATIONS

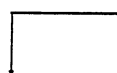
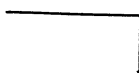
Model	8718-XX ^a
Display	4 Line x 20 character alphanumeric dot matrix liquid crystal display with back light
Size	11.3" x 3.4" x 2.2" (28.9 cm x 6.0 cm x 5.5 cm) nominal.
Weight	3.0 lbs (1.36 kg)
Controls	22 Key membrane keypad
Input/Output	Probe cable input Fiber optic link input RS232 Input/Output Probe RF Test Sources (dual frequency) Recorder output
Zeroing	One touch auto-zero
Measurement Range	Single, 30 dB dynamic range Bar graph autoranges or select one of three 20 dB ranges Compatible with all Narda 8700 Series probes
Units	mW/cm ² , W/m ² , V/m, A/m, V ² /m ² , A ² /m ² , pJ/cm ³ and Percent of International Standards
Data Logging	Log any data point with time/date stamp from primary measurement mode Log with time/date stamp and reference number Continuous logging at user defined rate and duration for up to 24 hours
Averaging	Time and spatial averaging capabilities with variable time periods and update rates
Audible Alarms	Multilevel adjustable audio output proportional to field strength Probe overload warning
Maximum Level Hold	Continuously available
Battery	7.2V rechargeable, approximately 40 hours per charge (backlight off)
Built-in Test Features	Unit has dual frequency RF sources for system check and selfdiagnostics at turn on with continuous monitoring
Temperature Operating	-10°C to +50°C
Non-Operating	-20°C to +70°C
Humidity	0% to 95%, non-condensing
Accessories Supplied	Storage case that holds meter and up to five probes and optional fiber optic link, charger, manual, and Windows™ compatible software for survey and calibration data transfer
Optional Accessories	Tripod and Insulated Handle Adaptor, Insulated Handle/Tripod (see page 32)

^a Specify the appropriate charger and power cord option

ORDERING INFORMATION

When ordering a Model 8718 meter, select the appropriate battery charger and line cord option and add it to the basic instrument model number. For 230V, 50-60 Hz options and line cord plug outlines, refer to page 25 of this catalog.

- 1 = 115V, 50/60 Hz charger with integral plug. No cord required (specify option 10).
- 2 = 230V, 50/60 Hz charger cord required.



- 0 = No cord (115V charger)
- 1-9 = Various plug styles (230V charger)

8718- _ _

Examples: 8718-10 = 115V, integral plug (no line cord) for North America, Japan
8718-23 = 230V, line cord for United Kingdom