

# PROBES & MONITORS HI-1710A MICROWAVE OVEN SURVEY METER



**ETS-Lindgren's HI-1710A Microwave Oven Survey Meter** combines proven and reliable diode sensing technology with digital processing techniques to accurately measure microwave oven radiation. The RS232 interface allows easy adapting of the unit to computerized data acquisition in laboratory studies and semi-automatic production test systems. Digital Peak-Hold and Push Button Zeroing aid in improving testing productivity and reducing errors. Digital filters, selected from the front panel, provide the Fast or Slow responses familiar to analog survey instrument users. Built in self-test sequences test meter performance at turn-on and each time the meter is zeroed. Diagnostic functions accessed from the front panel give quick indications of meter status.

## HI-1710A MICROWAVE OVEN SURVEY METER

- Digital Alarm Set
- Auto-ranging
- RS-232 Interface
- Removable Sensing Probe
- Remote Zero
- Analog Bar Graph
- Serial Printer Output

### Standard Configuration

- HI-1710A Control Module
- HI-2623 Microwave Oven Probe
- Power Cable
- User Manual
- Calibration Certificate

### Options

- H-540013 Spacer Cone Kit (Includes 10 Cones and 20 Shields)

### Technical Specifications

Electrical	
Ranges	0.1-1.0, 0.2-2.0, 0.5-5.0, and 1.0-10 mW/cm2
Response Characteristics	0 to 90% of final value for step input: <ul style="list-style-type: none"><li>■ F0, Raw (Version 3.XX only) - unfiltered</li><li>■ F1, Slow- less than three seconds</li><li>■ F2, Fast - less than one second</li></ul>
Overload Withstand	2.0 Watts/cm <sup>2</sup>
Power Input	100-240 VAC, 0.8-0.4 A max, 50/60 Hz
Fuses	250 Volt, 1.0 Amp, Type T (5 mm x 20 mm)
Control Input	Zero - Dry switch closure to zero the HI-1710A RS-232 - Standard 9-pin, 2-way communications output
Control Outputs	Alarm Output - Form C contact; 24 V 1 Amp Analog Output - 4 VDC max; 1 mA max RS-232 - Standard 9-pin, 2-way communications output
Environmental	Operating Temperature: 15°C-40°C Humidity: 5% to 95% relative humidity, non-condensing
Physical	
Dimensions (H x W x D)	127 mm x 311 mm x 254 mm (5.0 in x 12.25 in x 10.0 in)
Probe Length	30 cm (11.81 in)
Weight	2.74 m (9 ft)
Weight	3.6 kg (8 lb)