

MICROWAVE OVEN PROBES HI-1710A Microwave Oven Survey Meter

ETS-Lindgren's HI-1710A Microwave Oven Survey Meter combines the proven and reliable diode sensing technology with digital processing techniques.



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.

Key Features

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

Specifications

Electrical Specifications

Calibration Frequency: 2450 MHz

Ranges: 0.1 to 1 mW/cm², 0.2 to 2 mW/cm², 0.5 to 5 mW/cm², 1.0 to 10 mW/cm²

Overload Capacity: 2.0 W/cm²

Filter Response Time To 90% of Final Value for a Step Input:

- RAW: (Version 3.xx only) Unfiltered
- SLOW: <3 Seconds
- FAST: <1 Second

Input Power: 100/240 VAC, 60/50 Hz

Physical Specifications

HI-1710A Control Module (H x W x D): 127 mm 311 mm x 254 mm (5.0 in x 12.25 in x 10.0 in)

Probe Cable Length: 2.74 m (9 ft)

Probe Length: 30 cm (11.81 in)

Control Inputs:

- 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 Maximum, 1 mA Maximum

Other Specifications

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