



Model 8230

## Microwave Oven Survey System

- ◆ Automatic Auto-Zero
- ◆ Low Battery Indication
- ◆ Audible Warning at 1mW/cm<sup>2</sup> power level
- ◆ Micro-controller Operation (fully shielded)
- ◆ Calibration Data stored in EEPROM
- ◆ Temperature Compensation Circuitry



### Description

The Narda 8230 microwave oven surveyor is a compact, robust, single range RF power measurement instrument designed to operate at 2.45 GHz. Its primary function is the detection of RF microwave leakage from heating equipment such as commercial and domestic microwave ovens and industrial equipment etc.

### Calibration

All instruments are calibrated prior to shipment, traceable to International Standards.

The recommended calibration period is every two years, at the discretion of the user.

### Using the Instrument

Face the instrument away from the potential RF source and depress the power button to turn the instrument on. The LCD display will initially show zero mW/cm<sup>2</sup>.

Once on, the instrument button must remain depressed throughout the test and the instrument cone brought into contact with the microwave oven surface. While searching for a potential leak, the instrument should be moved at a maximum rate of 5 cm per second. On completing the test, release the button and the instrument will power down.

### Specifications

PARAMETER	SPECIFICATION
Power Source	9 Volt DC Battery
Frequency	2.45 GHz
Calibration Accuracy	± 1.0 dB in plane wave of all polarizations
Response to step input	< 1 sec.
RF Power Range	0 – 10 mW/cm <sup>2</sup>
Display	2-1/2 Digit LCD 10 point linear display
Resolution	0.1 mW/cm <sup>2</sup>
Sensor - Source Spacing	5 cm
Size	9.1 x 1.7 x 1.7 in (23 x 4.2 x 4.4 cm)
Weight	2.6 oz. (80 grams)