

MICROWAVE OVEN PROBES HI-2602 Interlock Monitor

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ETS-Lindgren's HI-2602 Interlock Monitor provides continuous surveillance of microwave fields for protection of personnel and equipment. The Interlock Monitor accepts input from a single, remotely mounted sensing probe using a patented microwave field sensor.

Usable in any critical area, the HI-2602 interlocks with any microwave source or alarm. The instrument can be set to trigger at any RF level up to 10 mW/cm² (model dependent). An LED indicator illuminates while a primary alarm relay triggers when the RF field exceeds the preset limit.

The diode detection array is housed in the large end of the plastic probe, and has the unique feature of being able to sum microwave electric fields of any polarization in a plane perpendicular to the axis of the probe. The probe is attached to the main unit by a BNC connector, and the combined unit and probe are calibrated as an integral instrument.

Key Features

- Continuous Surveillance of Microwave Fields
- User Settable RF Level Trigger (10 mW/cm² Maximum)

Specifications

Electrical Specifications

Calibration Frequency (Model Dependent): 2450 MHz or 915 MHz

Input Power (Factory Set): 120 or 240 VAC, 60/50 Hz

Overload Withstand: 2.0 W/cm²

Response Time: < 1 Sec (0-90% of Pulse Level)

Sensitivity (HI-2602): 2450 MHz, 0.2 to 2.0 mW/cm² **Sensitivity (HI-2602-01):** 915 MHz, 0.4 to 4.0 mW/cm²

Sensitivity (HI-2602-02): 2450 MHz, 1.0 to 10.0 mW/cm²

Output: Form C (SPDT) Relay, 4A (7.5A Peak), 120 VAC

Physical Specifications

HI-2602 Display Assembly (Height x Width x Depth): 89 mm x 152 mm x 107 mm
(3.5 in x 6.0 in x 4.2 in)

Mounting Pattern (Width x Height): 174 mm x 110.5 mm (6.85 in x 4.35 in)

Probe Length: 30 cm (11.81 in)

Probe Cable Length: 15 m (49.21 ft)

Weight: 1.5 kg (3.3 lb)

Other Specifications

- HI-2602 Interlock Monitor Probe Assembly with Display
 - 15 m (49.21 ft) Cable
 - Amp Plug, Hood and Pins
 - Calibration Certificate
 - Manual
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