PROBES & MONITORS HI-3604 ELF SURVEY METER



HI-3604 ELF SURVEY METER

- **30 to 2000 Hz**
- **Custom LCD Display**
- **Full Auto-Ranging Capability**
- **Sealed Membrane Switch Control Panel**
- **Compact and Lightweight Design**
- **Rugged Construction**
- **Ideal for Field Surveys**

ETS-Lindgren's HI-3604 ELF Survey Meter is a highly precise and user-friendly instrument designed to measure and evaluate electric and magnetic fields associated with 50/60 Hz power lines, line-powered equipment, and appliances. This advanced survey meter is an essential tool for engineers, industrial hygienists, and health and safety professionals conducting accurate investigations of power frequency environments.

The HI-3604 features a custom LCD display that provides clear readings of electric fields in volts/meter and magnetic fields in gauss, tesla, or amperes/meter units. A built-in bar-graph analog indicator aids in quickly identifying maximum field orientations and locating hot spots, enhancing efficiency during field surveys.

HI-3604 ELF Survey Meter includes:

- Full Auto-Ranging Capability: Seamless adjustments for accurate readings across varying field strengths.
- Sealed Membrane Switch Control Panel: Designed for durability and ease of use, even in demanding field conditions.
- Data Logging Functionality: Internal memory stores up to 112 readings for streamlined analysis and reporting.
- Compact and Lightweight Design: Ensures portability and convenience during extensive survey operations.
- Rugged Construction: Built to withstand challenging environments while maintaining accuracy and reliability.

With its advanced features, intuitive interface, and robust design, the HI-3604 ELF Survey Meter sets the standard for electric and magnetic field measurement. Whether you're conducting safety assessments, equipment evaluations, or environmental studies, the HI-3604 provides the precision and reliability you need for critical decision-making.

Standard Configuration

- Calibration Certificate
- Custom Carrying Case
- Two Nine-Volt Alkaline Batteries

Options

- HI-3616 Remote Control Readout
- HI-4413 Fiber Optic Modem

Technical Specifications

Electrical	
Frequency Response (Nominal)	30 to 2000 Hz
Frequency Response (Typical)	Electric Field: +0.5, -2.5 dB (30-2000 Hz) Magnetic Field: +0.5,-2.0 dB (30-1000 Hz) -2.0, -6.0 dB (1000-2000 Hz)
Dynamic Range	Electric Field: 1 V/m to 200 kV/m Magnetic Field: 0.2 mG to 20 G
Response	True RMS
Logging	On-Board, 112 Readings (max)
Sensitivity	Electric Field: 1 V/m-199 kV/m Magnetic Field: 0.1 mG-20 G
Physical	
Dimensions (L x W)	35.89 cm x 20.65 cm max (14.13 in x 8.13 in)
Weight	2.5 kg (5.5 lbs)
Power	Two (2) nine-volt alkaline batteries
Concentric Plate Displacement Current Electric Field Sensors	16.5 cm (6.5 inch) diameter 400 turn electrically shielded magnetic field sensing coil. Switch selectable between electric and magnetic fields.
Output	Liquid crystal display; preamplifier output via phono jack (analog signal from sensor/preamplifier equal to 1 mV/(mA/m); digital fiber optic signal (for remote reading via connection to HI-3616 Fiber Optic Remote Control).

Information presented is subject to change as product enhancements are made.
Contact ETS-Lindgren Sales Department for current specifications.

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