

HI-3001 ISOTROPIC  
BROADBAND SURVEY METER

The photograph on the accompanying specification sheet shows our initial prototype unit. The actual production unit will have a longer probe and a slightly different layout of the front panel. The specification sheet properly describes the production configuration.

# Isotropic Broadband Survey Meter Model HI 3001

## Features/Specifications:

- (1) Accuracy: Within  $\pm 1$  dB v/m over entire range,  $\pm 0.5$  dB v/m from 2 MHz to 500 MHz.\*
- (2) Isotropicity:  $\pm 1$  dB over entire rotation of head as measured by rotation at  $54.7^\circ$  from E-field reference polarization in TEM cell.
- (3) Instrumentation: Readout-units squared; accuracy:  $\pm 3\%$  full scale.
- (4) Overload: Can withstand CW signal to 800% of full scale of maximum probe range.
- (5) LED indicators for overload and low battery.\*
- (6) Peak hold and read circuitry: The internal digital memory will capture the highest field observed. This will be displayed on the meter when the peak read switch is depressed. Releasing the peak read switch will automatically clear and zero the memory.\*
- (7) Power source: Standard battery pack will operate continuously for approximately 40 hours.
- (8) Response time (0 to 90% of final value):  
Meter: Less than 1.0 second  
Peak hold: 5 milliseconds\*
- (9) Audio output: Gives tone proportional to meter reading. Allows operator to watch probe and listen for high field region. For use with acoustically coupled earphone supplied with meter.
- (10) Recorder output: 0 to 1 volt corresponding to meter reading. Source impedance of 5 K ohms.
- (11) Size (instrumentation package):  
 $8\frac{1}{8}'' \times 5\frac{1}{8}'' \times 4\frac{7}{8}''$ .
- (12) Weight: 6.5 lbs.

\* See Holaday Industries Information Bulletin 023 for detailed explanation.

## Equipment supplied as set:

- (1) Meter with permanently attached probe cable (1 meter long) and hand grip. Total length of probe and handle with probe inserted: 30".
- (2) Two Probes: 1 to 100 v/m, 31.6 to 3160 v/m.
- (3) Battery Pack.
- (4) Earphone.
- (5) Convenient carrying case.
- (6) Instruction Manual.



● 0.5 MHz to 1000 MHz

● 1 v/m to 3160 v/m in 6 ranges

**Automatic, full-time meter zero!** Meter constantly checks zero offset, even while performing measurements! Eliminates long warm-up times. Zero drift is less than  $\pm 1\%$  full scale.

## Options:

- |                     |                               |
|---------------------|-------------------------------|
| (1) Battery charger | (3) Rechargeable battery pack |
| (2) H-field probe** | (4) v/m reading instrument**  |
|                     | (5) Accessory case            |

\*\* COMING SOON!



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