

**Features**

- Complete Control from 5 Hz – 40 GHz
- Optical Isolation Minimized Field Perturbations
- Accurate and Fast Data Logging
- Continual Peak Value Storage and Display
- Individual Axis Field Readings

**Applications**

Telecommunications / Broadcasting Site Surveys  
RF Leakage Measurements and Mapping  
Antenna EMF Power Level Contour Mapping  
Industrial Environment Measurements  
Power Line Emissions and Contour Mapping  
Human Health Hazard Measurement



**Probe Connectivity:**

- HI-4422
- HI-443x and HI-445x Probe Families
- HI-3638 Low Frequency Probe
- HI-3702 Induced Current Probe

**Standard Accessories:**

- NiCad Battery with Fast Charger
- Carrying Case
- Instruction Manual

The HI-4416 Numeric EMF Readout is a versatile device for use with Holaday's entire line of fiber optically coupled electric and magnetic field probes. The optical isolation minimizes field perturbations, allows for highly accurate readings and provides free positioning of the probe without hindering the user interface.

The instrument has on-board recording features enabling accurate and fast data logging. Up to 150 field readings can be stored for review.

Other features include continual peak (max) value storage and display, unit selection, (auto) range selection, individual axis field readings and bar graph for "hot spot" determinations.

HI-4416 Specifications

Operation	70 Hours
Probe Connectivity	Fiber Optic Interface to Probe Standard FSMA Connectors
Display	Numeric
Logging	Logging of up to 150 Data Points On-Board Data Review Capability
Functions	Peak (Max) Hold Individual Axis Enabling/Disabling Probe Zeroing Battery Voltage Display
Output Recorder Port ranges)	0 – 5Vdc, 1mA maximum (all ranges)
Battery	3.5mm Phone Jack 3.6 Vdc, 1400 mA-Hour NiCad
Environmental	10°C – 40°C 5 – 95% Relative Humidity, Non-
Condensing	
Dimensions	154 x 87 x 32mm (6.07 x 3.43 x 1.25in)
Weight	0.42kg (14.8 oz)