

Specifications

Broadband Field Meter

1. Supported Measurements : Electric Field & Magnetic Field (Probe Dependent)
2. Supported Probe Freq. : 0 Hz to 90 GHz
3. Features : Probe Auto Detect, Offset Compensation, Self Test
4. Electric Field Units : V/m, mW/cm², W/m², % of standard
5. Magnetic Field Units : A/m, Tesla, Gauss, mW/cm², W/m², % of standard
6. Environment Data : Ambient Temperature & Relative Humidity
7. Display Type : 5" Anti-glare Colour TFT-LCD
8. Display Resolution : 1280 x 720 pixels
9. Operating Modes : Field Strength, Spatial Average, Spectrum, Shaped Time Domain, Scope & Timer Logging
10. Results Type : Actual, Maximum, Minimum, Average, MaxAvg
11. Average Mode : Moving Average of the Square of the Field Strength
12. Averaging Time
 - a. Field Strength : 1s, 3s, 10s, 30s, 1min, 3min, 6min, 10min, 30min, 1h, 6h, 24h
 - b. Spectrum : 4, 8, 16, 32 or 64 Number of Averages
13. Graphical Display
 - a. Field Strength : Actual and Avg trace vs. time
 - b. Spatial Average : Bar graph of results for each measurement position
 - c. Spectrum : Frequency spectrum and selectable limit line
 - d. Shaped Time Domain : Exposure index (WPM or WRM) in % vs. time
14. Interfaces : Digital Probe, Optical, USB, Ethernet
15. Storage : Up to 128 GB with microSD Memory Card
16. Storage Trigger : Manual, Time Logging
17. Power Supply : Internal Li-ion Rechargeable Battery & External
18. Measurement Probe 1
 - a. Frequency Range : 100 KHz to 6 GHz
 - b. Flatness of Freq. Response : ± 1.5 dB up to 4 GHz, ± 2 dB above 4 GHz
 - c. Measurement Range : 0.2 to 650 V/m (CW), 0.2 to 17 V/m (True RMS)
 - d. Linearity Deviation : ± 0.5 dB
 - e. Dynamic Range : 70 dB
 - f. Sampling Rate : 5 Hz
 - g. Integration Time : 265 mS
 - h. Directivity : Isotropic (Tri-axial)
 - i. Temperature Sensor : Built-in

19. Measurement Probe 2

- a. Frequency Range : 2 MHz to 18 GHz
- b. Flatness of Freq. Response : ± 1.5 dB up to 3 GHz, ± 2 dB above 3 GHz
- c. Measurement Range : 0.6 to 800 V/m (CW), 0.6 to 65 V/m (True RMS)
- d. Linearity Deviation : ± 2 dB
- e. Dynamic Range : 62.5 dB
- f. Sampling Rate : 5 Hz
- g. Integration Time : 265 mS
- h. Directivity : Isotropic (Tri-axial)
- i. Temperature Sensor : Built-in

20. Measurement Probe 3

- a. Frequency Range : 100 MHz to 60 GHz
- b. Flatness of Freq. Response : ± 3 dB up to 40 GHz
- c. Measurement Range : 0.5 to 400 V/m (CW), 0.5 to 61.4 V/m (True RMS)
- d. Linearity Deviation : ± 3 dB
- e. Dynamic Range : 58 dB
- f. Sampling Rate : 5 Hz
- g. Integration Time : 275 mS
- h. Directivity : Isotropic (Tri-axial)
- i. Temperature Sensor : Built-in

21. Included Accessories

- a. Carrying Case
- b. Power Adapter
- c. PC Interface Cable
- d. PC Transfer Software
- e. Rechargeable Batteries
- f. Fiber Optic Cable, Duplex, 1000 μ m, 5 m
- g. Fiber Optic Cable, Duplex, 1000 μ m, 10 m
- h. Fiber Optic Cable, Duplex, 1000 μ m, 20 m
- i. Fiber Optic to USB Converter
- j. Benchtop Tripod
- k. User Manual & Documents
- l. Certificate of Calibration

Warranty : Two years from the date of acceptance of the item at our site.