

NFA 1000

GIGAHERTZ
SOLUTIONS
Made in Germany

3D - AC Electric and Magnetic Field Analyzer / Data Logger



Frequency ranges

| | |
|---|------|
| Frequency range (from ... to) | 5 Hz |
| Frequency selective filter 16.6 50/60 100/120 150/180 Rest < 2kHz | 1MHz |
| | ✓ |

Magnetic flux density

| | |
|--|---|
| Measuring range "M" in Nanotesla (alternatively displayed in Milligauss) | |
| Internal 3D sensor (isotropic point < 3cm ³) (pat. pend.) | ✓ |

Electric field strength

| | | |
|--|--------------------------|---|
| Measurement range in Volt per meter (V/m) | Optional range extension | |
| Internal potential-free 3D-E-field sensor (Patent DE 10 2007 025 911) | | ✓ |
| Internal potential-free 1D-E-field sensor in Y-direction | | |
| Internal sensor bound to earth potential in Y-direction (TCO Recommendation) | | ✓ |
| Input for the measurement of capacitive body coupling acc. to SBM (hand) | | |

Optional sensors ("CH 4")

| | |
|--|------|
| TCO compliant E-field sensor (diameter 30 cm, mountable) | opt. |
| Magnetostatic sensor | opt. |
| Electrostatic sensor | opt. |
| Input for AC or DC signals (for instance for the connection of an HF analyser) | ✓ |

Signal analysis

| | |
|--|---|
| True RMS | ✓ |
| True RMS hold / Peak hold | ✓ |
| Peak value, broad band (true peak of the wave) | ✓ |

Display features

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|---|---|
| Large LC display (4 digits), also easy to read from afar | ✓ |
| Frequency indication by differently coloured LEDs or by numerical value | ✓ |
| Acoustic signal (Geiger-counter-effect, volume adjustable) | ✓ |

Internal data logger

| | |
|--|---|
| Sampling rate: 110,000 samples/sec., maxima are saved up to 10 times/sec onto the SDHC card. Simultaneous and frequency selective for XYZ and CH4, i.e. without "blind spots". | ✓ |
| Voice recorder | ✓ |
| Configuration and evaluation software for PC: Innovative graphical and statistical functions, frequency- and axis-specific | ✓ |
| Instrument "lockable" to assure safe recordings in the case of unauthorised | ✓ |

Scope of supply and optional accessories

| | |
|---|------|
| Internal Li-Ion battery pack (for up to 48 h "full speed"-recordings, NFA 30M more than | ✓ |
| AC-adaptor for quick loading or for mains supply (unlimited recordings possible in | ✓ |
| Terminal nut for the stand integrated at the bottom of the housing | ✓ |
| Grounding cable | ✓ |
| Floating potential telescopic rod (PM4s) or instrument holder (PM1) | opt. |
| Compact plastic transport case K5 | ✓ |