

NFA Series

3D LF analysers with data logger



| 3D LF analysers | NFA 30M | NFA 400 | NFA 1000 |
|--|--|------------------|--------------|
| Frequency ranges | | | |
| Frequency range (from ... to) | 16 Hz 32 kHz | 5 Hz 400 kHz | 5 Hz 1MHz |
| Frequency selective filter 16.6 50/60 100/120 150/180 Rest < 2kHz >2kHz | ✓ | ✓ | ✓ |
| Magnetic flux density | | | |
| Measuring range "M" in Nanotesla (alternatively displayed in Milligauss) | 1 - 19999 nT (up to 400 µT upon request) | | |
| Internal 3D sensor (isotropic point < 3cm ³) (pat. pend.) | ✓ | ✓ | ✓ |
| Electric field strength | | | |
| Measurement range in Volt per meter (V/m) Optional range extension upon request | - | 0.1 to 1,999 V/m | |
| 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 electrode opt.) | | 1 - 19,990 mV | |
| Optional sensors ("CH 4") | | | |
| TCO compliant E-field sensor (diameter 30 cm, mountable) | | opt. | opt. |
| Magnetostatic sensor | | opt. | opt. |
| Electrostatic sensor | | opt. | 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 | | | |
| 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 access | ✓ | ✓ | ✓ |
| Scope of supply and optional accessories | | | |
| Internal Li-Ion battery pack (for up to 48 h "full speed"-recordings, NFA 30M more than 48h) | ✓ | ✓ | ✓ |
| AC-adaptor for quick loading or for mains supply (unlimited recordings possible in this case) | ✓ | ✓ | ✓ |
| Terminal nut for the stand integrated at the bottom of the housing | | ✓ | ✓ |
| Grounding cable | | ✓ | ✓ |
| Floating potential telescopic rod (PM4s) or instrument holder (PM1) | | opt. | opt. |
| Compact plastic transport case K5 | ✓ | ✓ | ✓ |