









ANALIZER FOR COMPLEX SIGNALS: DC:40 GHz

Key features:

- Selective measurements for magnetic induction (H) and electric fields with any form factor
- Interchangeable probes
- Frequency range

Selective Mode: 0Hz - 400 KHz Broadband Mode: 100kHz - 40GHz

- Time domain analysis (oscilloscope mode with automatic and manual trigger)
- Frequency domain analysis and FFT spectral analysis in real time up to 65.536 samples
- Dynamic Range >100 dB without range changing
- Selectable indexes available on the meter:

WP10 – Weighted Peak (Icnirp 2010 Health Physics 99:818-836-2010)

IB50 (Time domain Analysis CEI EN 62233)

Selectable indexes via software:

WP10 – Weighted Peak (Icnirp 2010 Health Physics 99:818-836-2010)

II98 (Icnirp 1998 Health Physics 74:494-522-1998)

IB50 (Time domain Analysis CEI EN 62233)

IRSS (Frequency domain Analysis CEI EN 62233)

- Calculation and display of RMS, IRMS, Max, Min, Instant, Fmax
- Display screen which indicates safety threshold limits according to current safety standards in the public or the professional environment
- GPS receiver and temperature sensor available on board
- Power supply: Li-ion battery with over24 hours of operation time
- Transflective backlit screen
- Fiber optic communication (up to 40mt)
- Firmware updating directly by user

















ANALIZER FOR COMPLEX SIGNALS: DC+40 GHz

Description:

NHT 3D is a high performance handheld analyzer designed for measurement of electric and magnetic fields which are characterised by complex form factors in the frequency range DC÷400 kHz in selective mode, and 0÷40GHz in wide band mode.

Thanks to the interchangeability of the probes it is possible to configure the instrument for measurements in different environments and in full compliance with industry standards.

The Waves software provides a quick view of the main indexes and the trend of the field in the time and frequency domains through repeated acquisitions generating up to 65.536 samples. These acquisitions may be triggered manually or automatically.

The "Monitoring" operating mode function allows for the signals to be recorded to the non-volatile internal memory of the instrument from the probe. Thanks to this feature it is possible to download the data to a PC and extract the relevant information such as signal amplitude / frequency and indexes acquired during the monitoring.

This feature together with the instrument's battery autonomy allows the user to perform monitoring tasks for over 24hours.

Main Areas of Application:

- Energy
- Telecommunication (TLC)
- Medical
- Railway
- Automotive
- Military













ANALIZER FOR COMPLEX SIGNALS: DC+40 GHz

Main reference standards:

NHT 3D can be used with probes which conform to the following standards / directives:

 DIRECTIVE 2013/35/EU OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 26 June 2013on the minimum health and safety requirements regarding the exposure of workers to the risks arising from physical agents (electromagnetic fields) (20th individual Directive within the meaning of Article 16(1) of Directive 89/391/EEC) and repealing Directive 2004/40/EC



 CEI EN 50500 "Measurement procedures of magnetic field levels generated by electronic and electrical apparatus in the railway environment with respect to human exposure"



 CEI EN 62233 "Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure"



 CEI EN 62311 "Assessment of electronic and electrical equipment related to the restrictions for the electromagnetic fields (0 Hz - 300 GHz)"















ANALIZER FOR COMPLEX SIGNALS: DC+40 GHz

Waves software:

The Waves software allows the user to analyse the recorded data in both time domain and frequency domain as well as providing the user with real time processing and post processing capabilities.

During the real-time processing the oscilloscope function captures the signal in automatic or manual mode using a special trigger. The signals displayed can then be controlled or managed by way of a pan / zoom control.

The measurements are more easily interpreted by the use of a marker function which simultaneously provides the value of the level and frequency / time.

The same concept applies in the frequency domain where the user can insert the various masks of the curves required by the safety standards for the purpose of comparison.

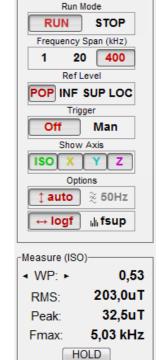
The Waves software allows the selection of four indexes: the weighted peak WP10, the index IB50, II98 and IRSS.

The readings always reported include: the average RMS, the RMS average normalized with respect to the frequency limit predominant (IRMS), the maximum and minimum value, the frequency with the highest spectral content (Fmax).

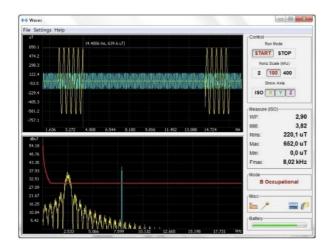
A special command provides the user with the possibility to filter spectral content in the frequency domain, eliminating that contents which have a value of less than 10% which is indicated below the red threshold line. This function is specifically requested by CEI EN 50500.

All information displayed can be exported either as images or as tabulated data.

The Waves software application can be installed on systems running Microsoft Windows XP, Windows Vista, Windows 7, 8, and 10 both 32 and 64 bit.



Control-





Information subject to change without prior notice

Data

Battery













ANALIZER FOR COMPLEX SIGNALS: DC+40 GHz

Technical specifications:

Selective mode: DC – 400 kHz Wide band mode: 100 kHz – 40GHz DISPLAY Type Transflective LCD monochrome backlit Size 2.8" 128 x 64 pixel SAMPLING Rate Up to 2 Msps MEASUREMENT FUNCTIONS Measurement units V/m, A/m, W/m², mW/cm², uT, mT (depending on the probe) Display range from 0,00001 to 999 999 Result types Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVC: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: Single storing average value Normative mask weighted indexes Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Max Hold Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile sequences Sampling buffer 65'536 memory points NTERFACES Ditted interfaces Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensell triangle and play auto detection, LEMO™ connector GPS Recommended calibration interval Battery Li-lon rechargeable Dieration time 24 months Battery Li-lon rechargeable Dieration time 22 or to +70°C Humidity 5 to 95%, non-condensing Size (n x w x d) Weight Weight VIA OR SARDER Transflective LCD monochrome backlit Sensell interface without probe) Weight Viot o +50°C Viou (including batteries without probe)	EDECHENCIES		
Wide band mode: 100 kHz − 40GHz DiSPLAY Type Transflective LCD monochrome backlit Size 2.8" 128 x 64 pixel SAMPLING Rate Up to 2 Msps MEASUREMENT FUNCTIONS Measurement units V/m, A/m, W/m², mW/cm², uT, mT (depending on the probe) Display range from 0,00001 to 999 999 Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVG: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: single storing average value Normative mask weighted indexes Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Max Hold Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points NTERFACES Optical interfaces Serial, full duplex, 10 Mbps Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operating temperature - 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature - 10 ℃ to +50 ℃ Storage temperature - 10 ℃ to +50 ℃ Storage temperature - 20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe)	FREQUENCIES		
Transflective LCD monochrome backlit Size 2.8" 128 x 64 pixel SAMPLING Rate Up to 2 Msps MEASUREMENT FUNCTIONS Measurement units V/m, A/m, W/m², mW/cm², uT, mT (depending on the probe) Display range from 0,00001 to 999'999 Result types Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVG: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: single storing average value Normative mask weighted indexes WP, Ib Indexes on sw Waves RMs, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Max Hold Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points NTERFACES Optical interfaces Serial, full duplex, 10 Mbps Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval 24 months Battery Li-Ion rechargeable Operation time > 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70 ℃ Weight 700 g (including batteries without probe)	Frequency range		
Size 2.8" 128 x 64 pixel SAMPLING Rate Up to 2 Msps MEASUREMENT FUNCTIONS Measurement units V/m, A/m, W/m², mW/cm², uT, mT (depending on the probe) Display range from 0,00001 to 999'999 Result types Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVG: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: single storing average value Normative mask weighted indexes WP, Ib Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Max Hold Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points NTERFACES Optical interfaces Serial, full duplex, 10 Mbps Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval 24 months Eattery Li-lon rechargeable Operation time > 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70 ℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe)	DISPLAY		
Rate Up to 2 Msps MEASUREMENT FUNCTIONS Measurement units V/m, A/m, W/m², mW/cm², uT, mT (depending on the probe) Display range from 0,00001 to 999'999 Result types Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVG: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: single average available for monitoring using software Normative mask weighted indexes WP, Ib Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Max Hold Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Sampling buffer 65'536 memory points INTERFACES Optical interfaces Serial, full duplex, 10 Mbps Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operating time 24 months Battery Li-lon rechargeable Operating temperature -20 °C to +50 °C Storage temperature -20 °C to +50 °C Storage temperature -20 °C to +50 °C Weight 700 g (including batteries without probe)	Туре	Transflective LCD monochrome backlit	
MEASUREMENT FUNCTIONS Measurement units V/m, A/m, W/m², mW/cm², uT, mT (depending on the probe) Display range from 0,00001 to 999'999 Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVG: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: single storing average value Normative mask weighted indexes NP, Ib Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Max Hold Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points INTERFACES Optical interfaces Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time 24 months Battery Li-lon rechargeable Operation time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight V/m, A/m, W/m², mW/cm², uT, mT (depending on the probe) Instantaneous lSO (short term r.m.s.) and Cartesian components; MAX of ISO instruction, ISO on the probe)	Size	2.8" 128 x 64 pixel	
MEASUREMENT FUNCTIONS Measurement units V/m, A/m, W/m², mW/cm², uT, mT (depending on the probe) from 0,00001 to 999*999 Result types Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVG: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SpT: single storing average value Normative mask weighted indexes NP, Ib Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Max Hold Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points NTERFACES Optical interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time 24 months Storage temperature -24 ore (backlight and GPS off). Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x x d) Weight V/m, A/m, W/m², mW/cm², utr, mT (depending on the probe) Integrated receiver Integrated receiver	SAMPLING		
Measurement units V/m, A/m, W/m², mW/cm², uT, mT (depending on the probe) Display range Result types Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVG: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: single storing average value Normative mask weighted indexes WP, Ib Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Max Hold Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points NTERFACES Optical interfaces Plug-and-play auto detection, LEMO™ connector GPS Recommended calibration interval Battery Li-lon rechargeable Operation time 24 months Battery Li-lon rechargeable Operation time 3 hours Operating time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight Volude in moving window selectable from 1920 in moving window selectable from 1920 in particular in the 1920 in p	Rate	Up to 2 Msps	
Display range Result types Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVG: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: single storing average value Normative mask weighted indexes Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Sampling buffer 65'536 memory points INTERFACES Optical interfaces Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Deparation time 24 months Battery Li-lon rechargeable Operation time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight Veight	MEASUREMENT FUNCTIONS		
Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value AVG: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: single storing average value Normative mask weighted indexes Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points INTERFACES Optical interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time 24 months Battery Li-lon rechargeable Operation time 3 hours Operating temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight Volume Instantaneous ISO (short term r.m.s.) and Cartesian components; MAX of ISO instantaneous value Instantaneous v	Measurement units	V/m, A/m, W/m ² , mW/cm ² , uT, mT (depending on the probe)	
ISO instantaneous value AVC: r.m.s. value in moving window selectable from 1s to 192min 24H moving average available for monitoring using software Space Average SPT: single storing average value Normative mask weighted indexes WP, Ib Indexes on sw Waves RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points INTERFACES Optical interfaces Serial, full duplex, 10 Mbps Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time 24 months Li-lon rechargeable Operation time 3 hours Operating temperature -24 ore (backlight and GPS off). Storage temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight	Display range	from 0,00001 to 999'999	
AH moving average available for monitoring using software Space Average SPT: single storing average value Normative mask weighted indexes RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax RMS Hold Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points INTERFACES Optical interfaces Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time Charging time 3 hours Operating temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight Value Manual Service without probe) Weight Weight	Result types	ISO instantaneous value	
Normative mask weighted indexes Normative mask weighted indexes RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points NTERFACES Optical interfaces Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver GENERAL CHARACTERISTICS Recommended calibration interval Battery Operation time 24 months Li-lon rechargeable Operation time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight N1024 non-volatile values RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Selectable on instrument and/or software 1'024 non-volatile values Selectable on instrument and/or software Selectable	Time average		
RMS, Peak, WP, Ib, II98, IRSS, IRMS, Fmax Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points INTERFACES Optical interfaces Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time 24 months Li-lon rechargeable Operating temperature 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight Weight	Space Average	SPT: single storing average value	
Selectable on instrument and/or software STORAGE MEMORY Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points INTERFACES Optical interfaces Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time 24 months Li-lon rechargeable Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight Non-volatile values 100 to	Normative mask weighted indexes	WP, lb	
Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points INTERFACES Optical interfaces Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time 24 months Li-lon rechargeable Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight 700 g (including batteries without probe)	Indexes on sw Waves	RMS, Peak, WP, lb, II98, IRSS, IRMS, Fmax	
Single acquisition 1'024 non-volatile values Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points INTERFACES Optical interfaces Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval 24 months Battery Li-lon rechargeable Operation time > 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight Non-condensi without probe) Weight	Max Hold	Selectable on instrument and/or software	
Monitoring 29 non-volatile sequences Sampling buffer 65'536 memory points INTERFACES Optical interfaces Serial, full duplex, 10 Mbps Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time > 24 ore (backlight and GPS off). Charging time Operating temperature Storage temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) Weight 700 g (including batteries without probe)	STORAGE MEMORY		
Sampling buffer Sampling buffer 65'536 memory points Serial, full duplex, 10 Mbps Probe interfaces Plug-and-play auto detection, LEMO™ connector Probe interface Plug-and-play auto detection, LEMO™ connector	Single acquisition	1'024 non-volatile values	
Optical interfaces Optical interface Probe interface Plug-and-play auto detection, LEMO™ connector GPS Integrated receiver GENERAL CHARACTERISTICS Recommended calibration interval Battery Depration time 24 months Li-lon rechargeable > 24 ore (backlight and GPS off). Charging time Operating temperature Plug-and-play auto detection, LEMO™ connector Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval 24 months Li-lon rechargeable > 24 ore (backlight and GPS off). Charging time Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight	Monitoring	29 non-volatile sequences	
Optical interfaces Serial, full duplex, 10 Mbps Probe interface Plug-and-play auto detection, LEMO™ connector GPS Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Recommended calibration interval 24 months Battery Li-lon rechargeable Operation time > 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70 ℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight 700 g (including batteries without probe)	Sampling buffer	65'536 memory points	
Probe interface Plug-and-play auto detection, LEMO™ connector Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Charging time Charging time Charging temperature Charging temper	INTERFACES		
Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-lon rechargeable Operation time > 24 ore (backlight and GPS off). Charging time Operating temperature -10 °C to +50 °C Storage temperature +10 °C to +70 °C Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight	Optical interfaces	Serial, full duplex, 10 Mbps	
Integrated receiver Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz GENERAL CHARACTERISTICS Recommended calibration interval Battery Li-Ion rechargeable Operation time > 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature -10 °C to +50 °C Storage temperature +20 °C to +70 °C Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight	Probe interface	Plug-and-play auto detection, LEMO™ connector	
GENERAL CHARACTERISTICS Recommended calibration interval 24 months Battery Li-lon rechargeable Operation time > 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70 ℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight 700 g (including batteries without probe)	GPS		
Recommended calibration interval Battery Li-Ion rechargeable Operation time > 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70 ℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight	Integrated receiver	Sensibility -163dBm, 48 channels, L1 C/A code, update rate 4Hz	
Battery Li-Ion rechargeable Operation time > 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature -10 $^{\circ}$ to +50 $^{\circ}$ Storage temperature -20 $^{\circ}$ to +70 $^{\circ}$ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight 700 g (including batteries without probe)	GENERAL CHARACTERISTICS		
Operation time > 24 ore (backlight and GPS off). Charging time 3 hours Operating temperature -10C to $+50 \text{C}$ Storage temperature -20C to $+70 \text{C}$ Humidity 5 to 95%, non-condensing Size (h x w x d) $183 \text{x} 92 \text{x} 47 \text{mm}$ (without probe) Weight 700g (including batteries without probe)	Recommended calibration interval	24 months	
Charging time 3 hours Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70 ℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight 700 g (including batteries without probe)	Battery	Li-lon rechargeable	
Operating temperature -10 ℃ to +50 ℃ Storage temperature -20 ℃ to +70 ℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight 700 g (including batteries without probe)	Operation time	> 24 ore (backlight and GPS off).	
Storage temperature -20 ℃ to +70℃ Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight 700 g (including batteries without probe)	Charging time	3 hours	
Humidity 5 to 95%, non-condensing Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight 700 g (including batteries without probe)	Operating temperature	-10 ℃ to +50 ℃	
Size (h x w x d) 183 x 92 x 47 mm (without probe) Weight 700 g (including batteries without probe)	Storage temperature	-20 ℃ to +70℃	
Weight 700 g (including batteries without probe)	Humidity	5 to 95%, non-condensing	
	Size (h x w x d)	183 x 92 x 47 mm (without probe)	
Country of origin Italy	Weight	700 g (including batteries without probe)	
	Country of origin	Italy	













ANALIZER FOR COMPLEX SIGNALS: DC+40 GHz







NHT 3D kit:

- NHT 3D Meter
- Optical / USB Adapter
- Fiber Optic Cable (10mt)
- AC/DC Power Supply
- Calibration certificate ISO 9001÷2008 Standard IEEE 1309-2013
- User Manual

Optional accessories:

- Rigid Case
- Wooden Tripod (1-2 m), including travelling case
- Accredia Calibration certificate ISO 17025



