NEW NHT 310 F

- Ideal for mobile applications
- Unbeatable price / performance ratio
- Touch Screen
- Capture and display of pulse signals up to 500ns *
- Automatic calculation of the pulse width and duty cycle.
- Removable memory
- Frequencies from 0Hz to 40GHz*
- Simultaneous display of the Electric and Magnetic Induction fields from 0Hz to 1MHz
- Over 24 hours of autonomy
- Remote Wi-Fi connection with OS Windows and Android application

*Depending on the probe

BORN TO CATCH
5G AND RADAR SIGNALS

MICRORAD

Remote Wi-Fi connection

GPS

Over 24 hours of autonomy in monitoring mode

Simultaneous display of the Electric and Magnetic Induction fields from 0Hz to 1MHz

Touch Screen for quick and simple measurement management

Automatic and manual trigger for capture of pulse signals

Time domain with Zoom 2x – 4x

Removable memory card
Virtually infinite capacity

Exceptional price performance ratio

Technical information subject to change without prior notice

MICRORAD

FREQUENCY	
Frequency Range	Selective mode: DC – 1 MHz Wide Band mode: 100 kHz – 40GHz
OPERATOR INTERFACE	
Graphic Display	4.3" TFT, 272 x 480 pixel, 262K color
Backlight	LED, automatic or manual intensity adjustment, readable in the sun
Input devices	Touch Screen and keypad
MEASUREMENT FUNCTIONS	
Measurement units	V/m, kV/m, A/m, W/m², mW/cm², uW/cm², uT, mT, Gauss, % (depending on the probe)
Display measurement range	From 0,00001 to 999'999 (depending on the probe and on the selected unit)
Refresh period	4 times per second
Result types	r.m.s. instantaneous and peak, isotropic and individual Cartesian components
Time average	r.m.s. value on a moving window selectable from 1 sec to 24 hours
Space average	Single acquisitions average value
Max Hold	Display of the r.m.s. instantaneous value
Combined mode	Simultaneous display of electric and magnetic field values (series 33 probes)
Time measurement	Minimum (up to 500 ns) and maximum pulse width measurement and duty cycle
GRAPHIC FUNCTIONS	
Data Logger	Time diagram of the measured values, selectable among: r.m.s. instantaneous or peak, time average. The window length can be set from 1 minute to 48 hours
Oscilloscope	High resolution diagram of the signal in the time domain
Marker	Graphic markers with indication of the selected value
Trigger	Programmable threshold for exceeding the instantaneous peak r.m.s. value
ACQUISITIONS	
Single / continuous acquisitions	Saving of all the data presented by the instrument, with a settable interval, between one memorization and the next, from 1 to 60 seconds
Acquisition memory	Removable memory card; with the provided memory over 1 million measurements in acquisition mode or over 200 seconds in high resolution mode can be stored
GENERAL SPECIFICATIONS	
Operation time	> 24 hours (backlight and external accessories off)
Charging time	3.5 hours
Integrated sensors	Humidity (accuracy ±2%) and temperature (accuracy ±0.2°C)
Interface	USB
Operating temperature	-10 °C to +50 °C
Storage temperature	-20 °C to +70°C
Humidity	5 to 90%, non-condensing
Size (h x w x d)	170 x 85 x 31 mm (without probe)
Weight	650 g (including battery, without probe)
Country of origin	Italy
ACCESSORIES	
Included accessories	Rigid case, power charger, protective silicone shell, USB cable, application software and user manual in electronic format, ISO 9001÷2015 Standard IEEE 1309-2013 calibration certificate
Optional accessories	GPS sensor, Wi-Fi module, Fiber optic module, Power Bank, ISO 17025 accredited calibration certificate