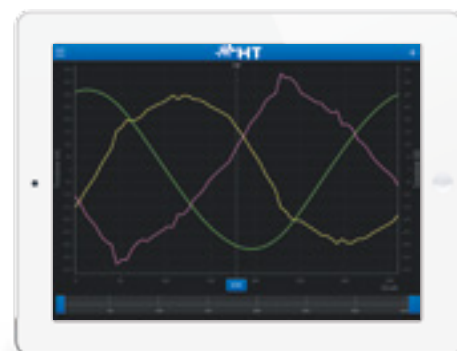


# PQA820|PQA819|HT9022 WITH HTANALYSIS™

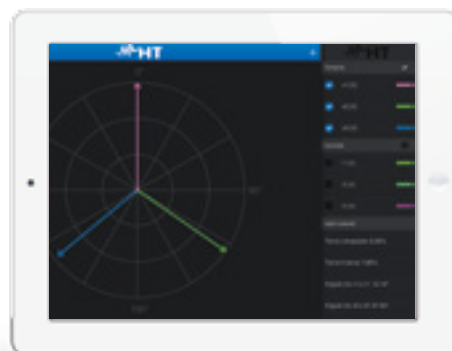
More information on **page 56**



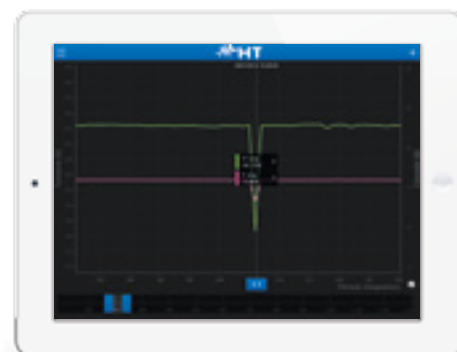
Voltage and current waveforms.



Current and voltage harmonics.



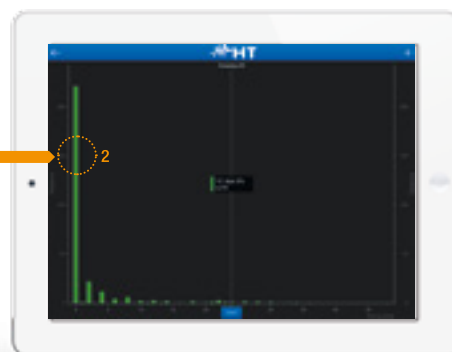
Voltage and current vector diagram.



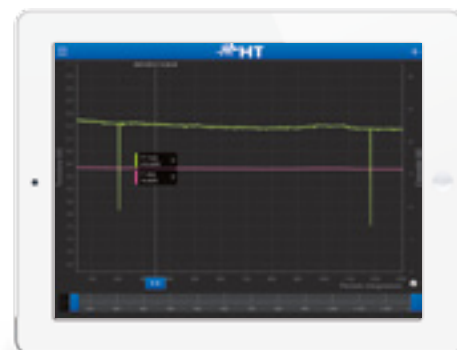
**Zoom** on a voltage and current drop.



**Jump function**  
1 Click on the arrow next to the desired value.



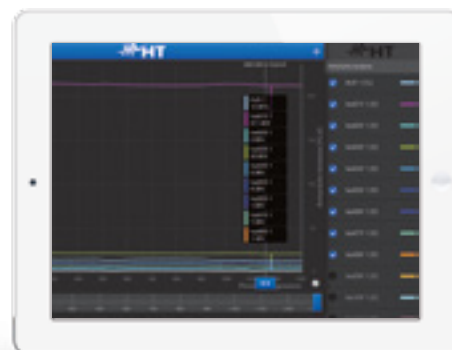
**Jump function**  
2 It switches to harmonic values in real-time.



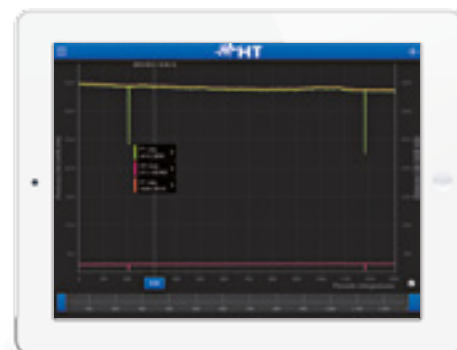
Trend of main quantities.



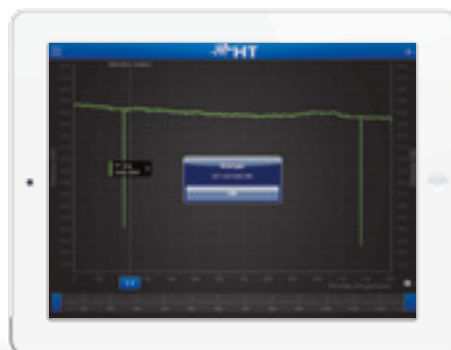
Harmonics up to the 49th.



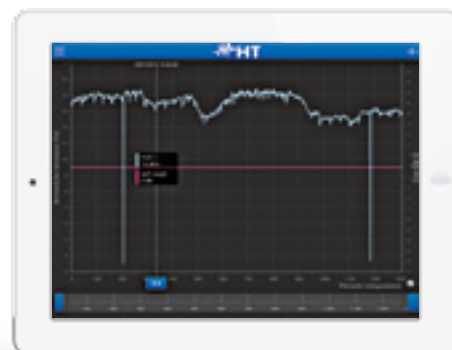
Trend of all harmonics.



Power trend.



Jump function to know how much energy has been consumed.



Example of analysis on THD% and Power factor.



ORDER CODE **HP009022**

## HT9022

CLAMP ON POWER QUALITY ANALYZER  
WITH POWER/HARMONIC MEASUREMENT  
AND BLUETOOTH CONNECTION

The power clamp meter HT9022 has been designed for measuring DC, AC+DC TRMS current up to 1000A to obtain CAT IV 600V in compliance with standard IEC/EN61010-1. It also measures and records **Active, Reactive and Apparent Power, Energy, voltage/current harmonic analysis up to the 25th with THD% calculation** in single-phase and balanced three-phase systems. It also allows testing **phase sequence** and **conformity** with the 1-terminal measuring method. It is also possible to detect and record the events linked to **motor starting (INRUSH) currents**. HT9022 allows **recording** each measured electric parameter over time, with the possibility of transferring data via **Bluetooth** to **Android** devices through the **HTAnalysis App** or onto **PC** through the **TOPVIEW** software. The clamp is provided with a wide graphic dot-matrix screen (128x128pxl) with backlight, in order to allow reading data even in poorly lit environments, and it is provided with an auto power off function to preserve its internal battery.



HT9022 in use.



### Functions

- AC, DC, AC + DC TRMS current up to 1000A
- AC, DC, AC + DC TRMS voltage up to 1000V
- Frequency with test leads and clamp jaws
- Phase sequence / phase concordance
- Resistance and Continuity test
- DC power measurement/recording
- Active, reactive, apparent power meas./rec. on single-phase systems
- Active, reactive, apparent energy meas./rec. on single-phase systems
- Power factor measurement/recording on single-phase systems
- Voltage/current harmonic meas./rec. up to the 25th with THD%
- Motor starting current detection (INRUSH)
- Data logger function with programmable PI
- Autorange
- Backlight
- Auto Power OFF
- Data HOLD, MAX/MIN/CREST
- Bluetooth for connection to PC and Android devices through HTAnalysis App



### Main features

<b>Display:</b>	Dot-matrix 128x128pxl with backlight
<b>Power supply:</b>	2x1.5V batteries type AAA
<b>Duration:</b>	> 50 hours
<b>Internal memory:</b>	2MBytes (approx. 2 days @ IP=15min and 60 parameters)
<b>PC interface:</b>	Bluetooth
<b>Safety:</b>	IEC/EN61010-1
<b>Insulation:</b>	Double insulation
<b>Pollution level:</b>	2
<b>Measurement category:</b>	CAT IV 600V to earth, max 1000V between inputs
<b>Max diameter of cable:</b>	45mm
<b>Size (LxWxH):</b>	252x88x44mm
<b>Weight (batteries included):</b>	0.42kg



### Accessories provided

YAAMK0000HT0	Pair of 4mm test leads
YAAMK0001HT0	Pair of alligator clips
TOPVIEWS	Windows software for PC connection
	Bluetooth/USB adapter for PC connection
YABRS0000NNO	Soft carrying bag
	Batteries and user manual on CD-ROM
	ISO9000 calibration certificate
	Quick user guide