

TPQA820**WATERPROOF, SELF-POWERED THREE-PHASE POWER QUALITY ANALYZER WITH USB AND WI-FI COMMUNICATION INTERFACE**

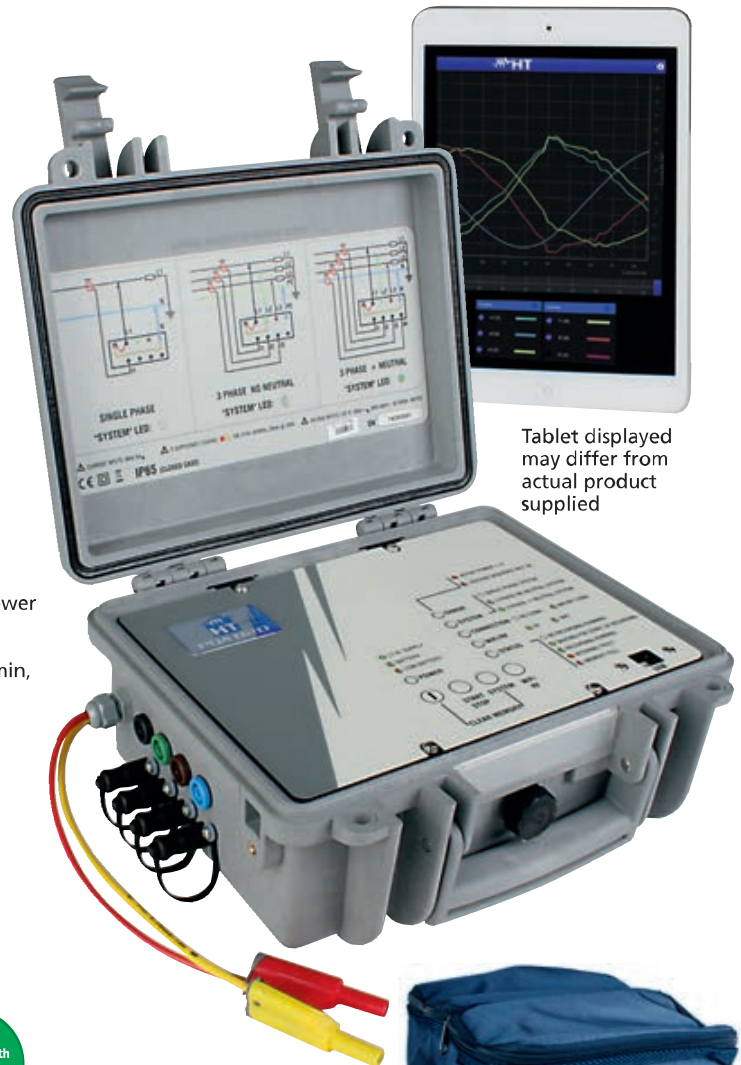
TPQA820 is a power quality analyzer performing an easy and wide analysis of the most significant parameters of the electrical system. Thanks to an innovative project, the instrument can be interfaced to smart phones, tablets and PDAs (iOS and/or Android) meeting the requests of the most demanding professionals. All the electrical parameters can be displayed in both numerical and graphical mode, by waveforms, histograms and phasors. The vector diagram shows the phase angle between any voltage and the related current, revealing the inductive or capacitive nature of the loads connected. The large built-in memory allows to log up to 383 parameters, granting a recording lasting more than one month with an integration period of 10 minutes. TPQA820 records all parameters by default so avoiding any failure. The user will never miss recording the parameters he needs, since TPQA820 records everything while selecting one of the three predefined settings (single phase, 3-phase without neutral, 3-phase with neutral). TPQA820 is powered by an internal rechargeable Li-Ion battery with a built-in user-selectable L-N or L-L power supply. The Wi-Fi and the USB interfaces grant connection to smart phones, tablets, PDAs and PCs for instrument setting, recording start and stop, data downloading, and data analysis. Its IP65 waterproof hard carrying case allows TPQA820 to work outdoors under critical environmental conditions.

FUNCTIONS

- DC voltage
- TRMS voltage with 4 inputs for line(s) and neutral (if any)
- DC current
- TRMS current with 4 inputs for line(s) and neutral (if any)
- DC power
- Active, reactive and apparent power and energy
- Power factor and cos-phi
- Frequency
- Up to 383 parameters to be recorded at once
- Integration period selectable from 5 seconds to 60 minutes
- Voltage and current harmonic analysis up to the 49th order
- Voltage anomalies (sags, swells) with 10ms resolution
- Numerical data analysis (DMM function)
- Graphical display of voltage and current (scope)
- Harmonic histogram
- Vectorial diagram of voltages and currents
- Voltage unbalance
- Predefined recording settings
- Built-in memory for data logging
- Wi-Fi and USB interfaces
- Android/iOS/Windows software
- Rechargeable Li-Ion battery with built-in power supply
- Waterproof IP65 hard carrying case

MODEL SPECIFICATIONS

Internal supply:	Li-ION rechargeable with built-in power supply, duration 1h
Mains supply:	100 ÷ 415V, 50/60Hz
Internal memory:	8Mbytes (approx. 30 days @ IP = 10min, max parameters)
PC interface:	USB 2.0
Remote device interface:	WiFi communication
Remote device interface:	Tablet/Smartphone (iOS, Android)
Safety:	IEC/EN61010-1
Insulation:	double insulation
Measurement category:	CAT III 300VAC (to ground) Max 460V between inputs
Dimensions (LxWxH):	245x210x110mm
Weight (battery included):	Approx. 0.7kg



Tablet displayed may differ from actual product supplied



IP65



TPQA820 is built in a tough and strong casing making it suitable for any environmental condition.

Application video



<http://www.hellermanntyton.co.za/downloads.html>

