



PQA820

INSTRUMENT FOR SINGLE- AND THREE-PHASE
POWER QUALITY ANALYSIS AND CONTROL

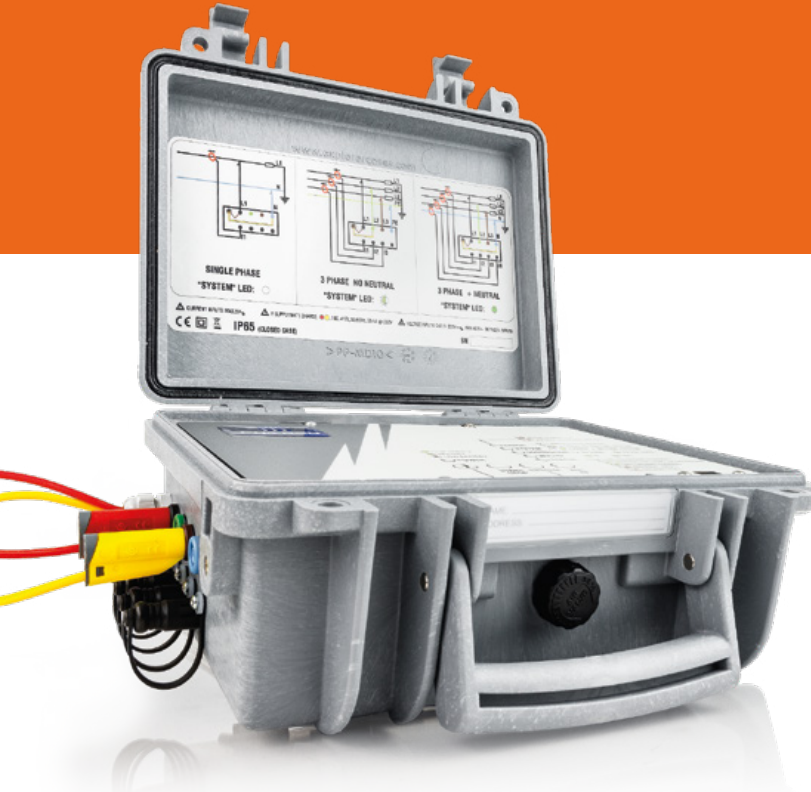




CODE **HV000820**

PQA820

INSTRUMENT FOR SINGLE- AND
THREE-PHASE POWER QUALITY
ANALYSIS AND CONTROL



→ **TRMS**
AC+DC



- > AC/DC voltage in Single-phase/Three-phase systems up to 460V
- > AC/DC current in Single-phase/Three-phase systems up to 1000V
- > Cosphi, Power Factor
- > Voltage unbalance (NEG%, ZERO%)
- > Active, Reactive, Apparent Power/Energy and DC power
- > Voltage and current harmonics up to 49th order with calculation of THD%
- > Voltage anomalies (sags, swells) with 10ms resolution (@ 50Hz)
- > Electric motor starting current (INRUSH)
- > Phase sequence
- > Analysis of all components of a three-phase or single-phase electrical system
- > Case with IP65 protection allowing use in any type of environment
- > Data transfer to PC via TopView software and on mobile devices using HT Analysis APP
- > Max **383 simultaneously selectable electric parameters** with selectable integration period





TECHNICAL DATA SHEET

TECHNICAL SPECIFICATIONS

TRMS DC/AC voltage in Single-phase/Three-phase systems	●
TRMS DC/AC current in Single-phase/Three-phase systems	●
Cosphi, Power Factor	●
Voltage unbalance	●
Active, Reactive, Apparent Power/Energy and DC power	●
Voltage and current harmonics up to 49a and THD%	●
Voltage anomalies (sags, swells) with 10ms resolution (@ 50Hz)	●
Analysis of all components of a three-phase or single-phase electrical system	●
Phase sequence	●
Neutral current	●
Max number of simultaneously selectable parameters	383
Recording with selectable integration period (PI)	5s-60min
Indicative storage period (in days @ PI=10min @ max num parameters)	30 days
Indication of recording autonomy	●
Internal memory	8MB
Snapshot saving	Via HTAnalysis APP and TopView software
Summary table of main electric parameters	Via HTAnalysis APP and TopView software
Voltage/current waveforms	Via HTAnalysis APP and TopView software
Tables or histogram graphics of Harmonics and THD%	Via HTAnalysis APP and TopView software
Voltage/Current vector diagram	Via HTAnalysis APP and TopView software
Measurement category	CAT IV 300V
USB interface for connection to PC	●

GENERAL SPECIFICATIONS

Dimensions (L x W x H)	245 x 210 x 110mm
Weight (batteries included)	1.5 kg
Operating temperature	from 0°C to 40°C
Operating humidity	<80% RH
Protection rating	IP65 (closed case)
Power supply	Rechargeable Li-iON battery
Mains power supply	100-415V, 50/60Hz

ACCESSORIES

STANDARD ACCESSORIES

HTFLEX33LE	Flexible clamp with full scale 1000AAC, diameter 174mm, 4 pieces
607-IECN	Connector with magnetic termination, 4 pcs
BORSA2051	Carry bag
KITMPPACW	Set of 4 banana cables 4mm, length 2m
KITMPPACC	Set of 4 alligator clips
YCCA0034000	USB connection cable
Quick start guide	
Complete user manual and management software available online	
Calibration report	

OPTIONAL ACCESSORIES

HT96U	Standard clamp with full scale 1/100/1000A-IV AC
HT97U	Standard clamp with full scale 10/100/1000A AC
HT98U	Standard clamp with full scale 1000A-IV DC, diameter 50mm
HP30D1	Standard clamp with full scale 1000A-IV DC, diameter 83mm
HP30C2	Standard clamp with full scale 200/2000A-IV AC
ACONBIN	Adapter for connecting Standard clamps to PQA820
HTFLEX3003	Set of 3 flexible AC clamps for measuring currents up to 3000A

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