



# PQA924

POWER QUALITY ANALYZER  
CLASS S



ORDER CODE **HV000924**

# PQA924

POWER QUALITY ANALYZER  
CLASS S



→ **TRMS**

**HTAgorà**

- › AC voltage in single-phase and three-phase systems
- › AC current in single-phase and three-phase systems
- › Cosphi, Power Factor, K Factor
- › Voltage unbalance
- › Flicker
- › Active, Reactive, and Apparent Power/Energy
- › Voltage and current harmonics up to the 63<sup>rd</sup> order with THD% calculation
- › Power harmonics (amplitude) up to the 63<sup>rd</sup> order
- › Voltage and current interharmonics up to the 63<sup>rd</sup> order
- › Voltage anomalies (sags, swells) with 10ms resolution (@50Hz)
- › Fast voltage transients (8kV, 1μs)
- › Inrush current of electric motors
- › Waveform recording of events (anomalies, fast transients, and inrush currents)
- › Phase sequence detection
- › Data transfer to PC via HTAgorà software
- › Up to 3180 electrical parameters recordable simultaneously with programmable integration period
- › USB, Ethernet, and Wi-Fi connectivity
- › Memory up to 32GB on removable memory card
- › Color touch screen display



**SEE PRODUCT  
DATA SHEET**

## Maximum accuracy and reliability with the auto-configuration (AUTASET) function

The PQA924 features an advanced auto-configuration function designed to eliminate connection errors and optimize setup time. With the AUTASET mode, the operator can ensure the correct assignment of clamp sensors, preventing incorrect measurements and discrepancies in recorded electrical values.

### 4 key reasons to use the AUTOTEST function

- › Automatically detects connected current transducers, enabling instant configuration with zero margin for error.
- › Prevents wiring errors that could compromise measurement accuracy.
- › Avoids inconsistent electrical values and the need for repeated recordings.
- › Automatically corrects reversed clamp connections, preventing misalignment between voltage and current that could lead to erroneous readings.



# TECHNICAL DATA SHEET

## TECHNICAL SPECIFICATIONS

AC voltage in single-phase and three-phase systems	●
AC current in single-phase and three-phase systems	●
Cosphi, Power Factor, K Factor	●
Voltage unbalance	●
Flicker	●
Active, Reactive, Apparent Power/Energy	●
Voltage and current harmonics up to the 63 <sup>rd</sup> order with THD% calculation	●
Power harmonics (amplitude) up to the 63 <sup>rd</sup> order	●
Voltage and current interharmonics up to the 63 <sup>rd</sup> order	●
Voltage anomalies (sags, swells) with 10ms resolution (@50Hz)	●
Fast voltage transients (8kV, 1μs)	● 8kV, 1μs
Inrush current of electric motors	●
Waveform recording of events (anomalies, fast transients, and inrush currents)	●
Phase sequence detection	●
Data transfer to PC via HTAgorà software	●
Simultaneous recording of electrical parameters with programmable integration period	● 3180
USB, Ethernet, and Wi-Fi connectivity	●
Removable memory card	● 32 GB

## GENERAL SPECIFICATIONS

Dimensions (L x W x H)	235 x 165 x 75 mm / 9 1/4 x 6 1/2 x 3 in
Weight (including batteries)	1.2 kg / 2 lb 10 oz
Operating temperature	from -10°C to 50°C / from 14°F to 122°F
Operating humidity	<80% RH
Protection rating	IP40
Battery power supply	6x 1.5V AA LRO6 alkaline batteries 6x 1.2V AA LRO6 NiMH rechargeable batteries
Mains power supply	External charger adapter 100-415VAC 50/60Hz / 15VDC

# ACCESSORIES

## STANDARD ACCESSORIES

HTFLEX335	Flexible clamp 6000A AC with 5-pin connector, max cable diameter 174mm, 4 pcs
YMETK0042HT0	Label kit for input color customization (according to national standards)
KIT802	Set of 5 black banana-banana cables and 5 black alligator clips, plus set of colored rings (9 colors)
A0080	External power supply with plug cable
PT400	Stylus (included in the instrument's right flip)
C2010	USB-A / USB-C connection cable
CF832	32GB memory card
YAMUM0088HT0	Quick start guide
YABAT0003000	Rechargeable AA NiMH batteries, 1.2V, 6 pcs
VA500	Hard carrying case
Calibration Report	

## OPTIONAL ACCESSORIES

HTFLEX315	Flexible clamp 6000A AC with 5-pin connector, max cable diameter 80mm
HTFLEX355	Flexible clamp 10000A AC with 5-pin connector, max cable diameter 270mm
HT4005N	Standard clamp with 5-100A AC range with 3-pin connector
HT96U	Standard clamp with 1/100/1000A AC range with 3-pin connector
HT97U	Standard clamp with 10/100/1000A AC range with 3-pin connector
HP30C2	Standard clamp with 200/2000A AC range with 3-pin connector
HP30C3	Standard clamp with 3000A AC range with 3-pin connector
607-IECN	Magnetic terminal connector
ACON3F5M	3-pin / 5-pin adapter (to use standard clamps)
SP-0500	Set of straps and hooks for shoulder use

### HT ITALIA S.R.L.

Via della Boaria, 40 - 48018 Faenza (RA) - Italy

T +39 0546 621002 | F +39 0546 621144

M [export@ht-instruments.com](mailto:export@ht-instruments.com) | [ht-instruments.com](http://ht-instruments.com)