

Van dit product is de officiële datasheet nog niet beschikbaar. Hier vindt u de informatie afkomstig van de website van HT Instruments.



Product overview

PQA924

Power and Energy Quality Analyzer - Class S

- › 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 harmonic amplitude and phase up to the 63rd order with THD% calculation
- › Power harmonic amplitude up to the 63rd order
- › Voltage and current interharmonics up to the 63rd order with THI% calculation
- › Voltage anomalies (dips, swells) with 10ms resolution (@50Hz)
- › Fast voltage transients (8kV, 1μs)
- › Inrush current for electric motors
- › Event waveform recording (anomalies, fast transients, and inrush currents)
- › Phase sequence detection
- › Data transfer to PC via HTAgorà software
- › Up to 3180 simultaneously recordable electrical parameters with programmable integration period
- › USB, Ethernet, and Wi-Fi connection
- › Memory card
- › Color touchscreen display

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

The PQA924 features an advanced auto-configuration function designed to eliminate connection errors and optimize setup time. With the AUTOSSET 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.

Functions

AC voltage in single-phase/three-phase systems	1000V
AC current in single-phase/three-phase systems	6000A / 10000A with HTFLEX355 (optional)
Cosphi, Power Factor	
Voltage unbalance (NEG%, ZERO%)	
Active, reactive, apparent power/energy	
Voltage and current harmonics and inter-harmonics up to the 63rd and THD% absorbed/generated (4 quadrant measurements)	
Power harmonics up to the 63rd absorbed/generated	
Voltage Anomalies (dips and peaks) with a resolution of 20ms	
Voltage fast transients (spikes) up to 8kV with 1 μ s resolution (1MHz)	Max 2000 events
Electric motor starting current with 10ms resolution (@50Hz)	6000A
Voltage flickers (Pst, Plt)	Max 2000 events
Full analysis EN50160	
Phase sequence	
Neutral-Ground Voltage	
Neutral current	
Max number of simultaneously selectable parameters	3177
Recording with selectable integration period	0.2s-120m

Indicative length of SD-card memory (@ PI=1s @ 450 selected parameters)	about 15 days
Memory for data saving	Memory card
Default and custom recordings	
Saving instant sampled values	
Summary table of main electric parameters	
Voltage/current waveforms	
Summary table of main electric parameters	
Voltage/current waveforms	
Tables or histograms of Harmonics and THD%	Live up to 63rd
Voltage/current vector diagram	
Touchscreen colour display	320x240pxl
Power supply with rechargeable battery	6x1.2V NiMH tipo AA
External battery charger	
Auto power off	
Communication modes	USB-C, Ethernet, WiFi
Context help active on each screen	
Size (LxWx H) (mm)	225x165x75
Weight in grams (batteries included)	1200