

Power Quality Analyser STEK PQA03

Easy to Use, Accurate, Portable !

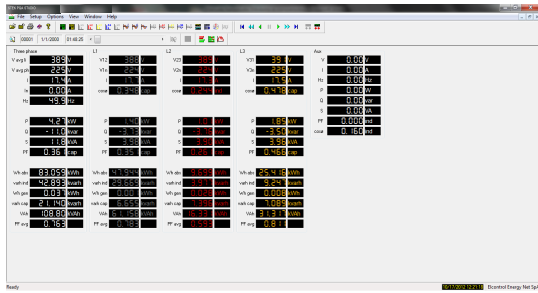


- Can be used with AA commercial batteries (rechargeable or not) or with external power supply (optional) for prolonged campaigns
- Alarms (generic, overvoltages ect) settable by user
- 4Gb internal memory for measurements savings USB output for download/ upload measurements, setup and remote control
- Buzzer for errors and alarms
- Harmonic analysis up to the 25th Order V and A
- Oscilloscope function for continuous capture of a channel (RMS voltage or current WAVEFORM)
- Start/Stop counters function for quick KWH analysis

- 128×128 graphic LCD that allows a wide display flexibility (Simultaneous Display of 4 parameters, waveforms, histograms, diagrams, images, etc.)
- Dedicated PQA Studio PC software through which it is possible to perform advanced analyzes of stored data
- 1 voltage measurement channel (1 phase + neutral) up to 600V CAT III, with the possibility of measuring also the DC voltage, with an accuracy of $\pm 0.5\% + FS$ error
- 1 current input with the possibility of measuring also the DC current, with the accuracy of $\pm 0.5\% + FS$ accuracy
- Capability to use flexible clamps up to 6000A or other sensors with full scale set by the user

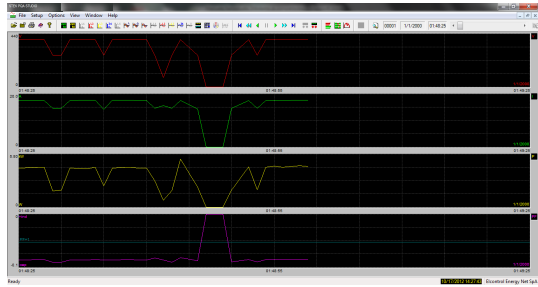
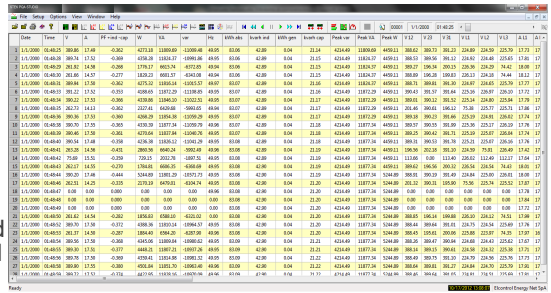
Engineering	
Standard	IEC61000-4-30 Class S
Dimensions	178x80x32mm
Material	ABS with self-extinguishing V0 grade
Safety	600V CAT III
Protection degree	IP30
Weight	220g (315g with Batteries)
Display	LCD 128×128 STN dot matrix
Communication	USB verso PC
Internal memory	4Gb
Operating temperature	-10 to +55 °C
Humidity	Max 95%
Power supply (optional)	Wall-plug switching extern, input 100-240VAC ±10% 47-63Hz, with international plugs; output 7,5VDC – 12W
Included batteries	4 x AA 1.5V
Battery Life	>72h (depending on battery type)
Measurement Connections And Parameters Measured	
Single phase/Double phase networks	yes
Three phase 4 wires, balanced networks	yes
Three phase 3 wires, balanced networks	yes
Three phase 4 wires, unbalanced networks	no
Three phase 3 wires, unbalanced networks	no
Power analysis	V, I, P, Q, S, F, PF, THD(V)%, THD(I)%, cosØ, PEAK, MIN., AVD, MAXIMUM DEMAND, etc
Counters	kWh, kVArh, kVAh (used and generated)
Waves shape	V and I
Harmonics	Values and spectrum up to 25°
Sags	no
Transitory	manual
Test EN 50160	no
Starting currents	no
Measurements in DC	yes
K factor	no
Alarms	Video
Alarms logs	5 on video
Hourly tariffs	no
Consumption costs	No
Display data refresh rate	1 sec.
Voltage (TRMS)	1 input channel 4MΩ, 2 scales
Current (TRMS)	1 input channel 10kΩ
Power	Active, reactive and apparent. Single phase and total
Energy counters	KWh, KVARH, kVAH
Harmonics analysis	Up to 25° Voltage and Current with V THD and A THD
EN50160 analysis	no
Transitional analysis	manual
Safety And Compliances	
CE	93/68/CEE (Electrical Equipment in B. T.) 89/336/CEE e 2004/108/CE (EMC) 2006/95/CE – 72/23/CEE (LVD –Low Voltage)); 2002/95/CE (RoHS – Restrictions on the Use of Hazardous Substances) 2002/96/CE e 2003/108/CE (WEEE/RAEE Restrictions on the Use of Hazardous Substances).
Safety	EN 61010-1
EMC	EN 61326 EN 61326/A1 EN 61326/A2 EN 61326/A3
Temperature	IEC 60068-2-1 (Operating Temperature) IEC 60068-2-2 (Temperature of Conversion)
Vibration	IEC 60068-2-6
Humidity	IEC 60068-2-30 (Humidity)
Overload	IEC 60947-1

PQA Studio Software



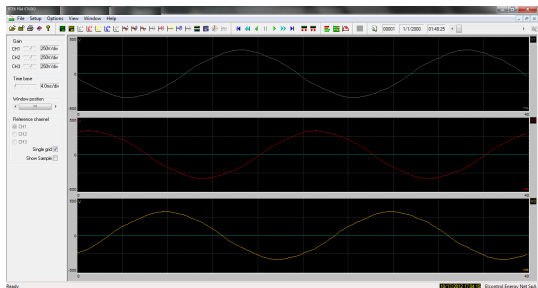
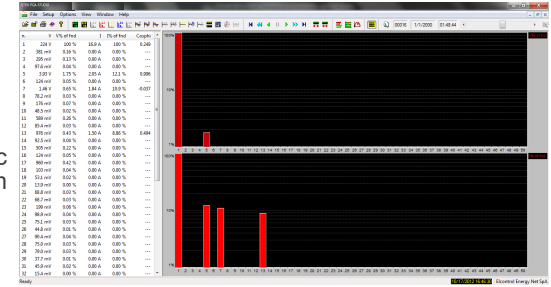
Live Meter Readings All Parameters

Record In Excel Format Can be Exported To Excel Sheet

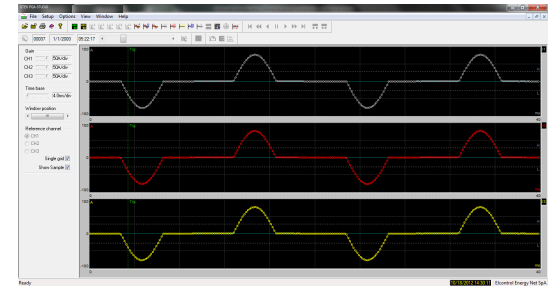


Voltage and Current Trend

Harmonic Spectrum And Table



Waveform



Current Transformer:

Model	MN93A	A193-450	A193-800	C193	PAC93
Current Range	5mAac to 100AAc	1A to 6000AAc	1A to 6000 A Ac	1A to 1,000AAc	1 A to 1,000AAc 1 A to 1.300 ADC
CT inside Dia	20mm	140mm(ID)/450mm(length)	250mm(ID)/800mm(length)	52mm	One 42mm OR Two 25mm dia Cable. OR Two Busbar Size: 50mm X 5mm
Safety	600V CAT III / 300V CAT IV	1000VCATIII/ ,600V CAT IV	1000VCATIII/, 600V CAT IV	600VCATIV	1,000V CAT III/,600V CAT IV
IMAGE					

Standard Accessories:

- PQA 03 – One
- CAT IV 600V, CATIII 1000 V Teste Leads Pair
- CAT IV 600V, CATIII 1000 V Large Crocodile Clips
- PQA Studio Software
- Factory Test Certificate
- Hard Carrying Case
- AA Batteries Alkaline

Optional Accessories:

- Clamp on CT (to be selected from above Table)
- NABL Calibration Certificate
- Rechargeable Batteries with Charger
- Mains Adaptor

