

PQA Portable Power Analyzer

PQA-USB/RS485

Meeting IEC-664, IEC-348, VDE 0110, UL-94, EN-61000, EN-61010 Standards

GENERAL SPECIFICATIONS

VOLTAGE ACCURACY:	0.5% + 2 Digits
CURRENT ACCURACY:	0.5% + 2 Digits
POWER ACCURACY:	1% + 2 Digits
NOMINAL VOLTAGE:	300 Volts Phase-to-Neutral 520 Volts Phase-to-Phase
FREQUENCY RANGE:	45 to 65 Hz
TEMPERATURE RANGE:	-10 to + 50 Deg. C
CASE:	Self-Extinguishing Thermoplastic
DIMENSIONS:	9.0" x 6.5" x 3.25"

Applications and Features

POWER ANALYSIS IN FIELD INSTALLATIONS WITH COMPUTER INTERFACE.
MEASURES, CALCULATES and DISPLAYS ELECTRICAL PARAMETERS IN 3-PHASE and SINGLE-PHASE SYSTEMS.
USB COMMUNICATION PORT with MODBUS (RTU)
AYA POWER STUDIO SOFTWARE INCLUDED
RS-485 COMMUNICATION PORT OPTIONAL

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

THE PQA PROGRAMMABLE ANALYZER MEASURES, CALCULATES AND DISPLAYS MANY ELECTRICAL PARAMETERS IN SINGLE OR THREE-PHASE INSTALLATIONS. IT IS PACKAGED IN A RUGGED INDUSTRIAL ENCLOSURE OF 9.0" x 6.5" x 3.25".

IT IS AVAILABLE WITH A USB SERIAL INTERFACE WITH MODBUS PROTOCOL. RS-485 INTERFACE IS OPTIONAL.



EXTENSIVE SELECTION OF CURRENT CLAMPS AVAILABLE FOR USE WITH THE PQA ANALYZER

LIST OF PARAMETERS

V	SINGLE VOLTAGES - V1, V2, V3
I	SINGLE CURRENTS - I1, I2, I3
KW	ACTIVE POWER - KW1, KW2, KW3
KVAR	REACTIVE POWER
PF	POWER FACTOR
%THD-V	TOTAL HARMONIC DISTORTION- VOLTAGE
%THD-A	TOTAL HARMONIC DISTORTION- CURRENT
KW-III	3-PHASE ACTIVE POWER
KVARL-III	3-PHASE INDUCTIVE POWER
KVARC-III	3-PHASE CAPACITIVE POWER
PF-III	3-PHASE POWER FACTOR
HZ	FREQUENCY
V-12	PHASE-TO-PHASE VOLTAGE (Lines 1 to 2)
V-23	PHASE-TO-PHASE VOLTAGE (Lines 2 to 3)
V-31	PHASE-TO-PHASE VOLTAGE (Lines 3 to 1)
KVA-III	3-PHASE APPARENT POWER
MD	MAXIMUM DEMAND
A-III	3-PHASE CURRENTS
I-N	NEUTRAL CURRENT
MD-L1	MAXIMUM DEMAND - LINE 1
MD-L2	MAXIMUM DEMAND - LINE 2
MD-L3	MAXIMUM DEMAND - LINE 3
KW.Hr	ACTIVE ENERGY (Watt-Hours)
KVAR.Hr	REACTIVE ENERGY (Watt-Hours)
HAR	HARMONICS option (up to 15th Harmonic)

MODEL	DESCRIPTION
PQA-USB	ANALYZER WITH A USB SERIAL PORT
PQA-485	ANALYZER WITH AN RS-485 OPTION
CURRENT CLAMPS	CURRENT RANGES of 100 to 5000 Amperes Full Scale
SPLIT-CURRENT TRANSFORMERS	CURRENT RANGES of 1 Ampere to 5000 Amperes Full Scale
AYA POWER STUDIO	SOFTWARE CD INCLUDED
ACCESSORIES	USB CABLE

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