

Panel Power Analyzers

CVA-Series

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 (3.5"x3.5"x2.25")
CASE: Self-Extinguishing Thermoplastic
PANEL DIMENSIONS: 96 x 96 mm DIN SIZE

Applications & Features

DESIGNED FOR INDUSTRIAL POWER ANALYSIS WITH COMPUTER INTERFACE.
 MEASURES, CALCULATES and DISPLAYS ELECTRICAL PARAMETERS IN 3-PHASE and SINGLE-PHASE SYSTEMS.
 RS-485 COMMUNICATION PORT with MODBUS (RTU)
 AYA POWER STUDIO SOFTWARE INCLUDED
 SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

THE CVA PROGRAMMABLE ANALYZER MEASURES, CALCULATES AND DISPLAYS MANY ELECTRICAL PARAMETERS IN SINGLE OR THREE-PHASE INSTALLATIONS. IT IS PACKAGED IN A COMPACT ENCLOSURE OF 96 x 96 x 50 mm FOR MOUNTING ON A FLAT PANEL. IT IS AVAILABLE WITH R485 SERIAL INTERFACE. ITS SOFTWARE MAKES THE CVA AN EXCEPTIONALY VERSATILE 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	POWER SUPPLY
CVA-240	ANALYZER WITHOUT CURRENT ISOLATION	240 VOLTS 50/60 Hz
CVA-240-I	ANALYZER WITH CURRENT ISOLATION	
CVA-240-I-485	ANALYZER WITH RS-485 INTERFACE	
CVA-240-I-485-HAR	ANALYZER WITH RS-485 PORT and HARMONICS	
CVA-300-I-485	ANALYZER WITH RS-485 INTERFACE	85 to 265 VOLTS 50/60 Hz or 90 to 300 VOLTS DC
CVA-300-I-485-HAR	ANALYZER WITH RS-485 PORT and HARMONICS	