

## DIN-RAIL Power Analyzers

## CVA-MINI-Series

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

### General Specifications

- ACCURACY CLASS at 50/60 Hz: 0.5% of full scale + 1 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
- PANEL DIMENSIONS: 72 x 72 mm DIN SIZE (2.8"x2.8")  
(2.8" x 2.8" Mounting)
- DEPTH: 2.25"



### 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 CV-MINI PROGRAMMABLE ANALYZER MEASURES, CALCULATES AND DISPLAYS MANY ELECTRICAL PARAMETERS IN SINGLE OR

THREE-PHASE INSTALLATIONS. IT IS PACKAGED IN A DIN-TYPE ENCLOSURE OF 72 x 72 FOR MOUNTING ON A DIN-RAIL

IT IS AVAILABLE WITH R485 SERIAL INTERFACE WITH A MODBUS PROTOCOL.

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

MODEL	DESCRIPTION	POWER SUPPLY
<b>CVA-MINI</b>	ANALYZER WITHOUT CURRENT ISOLATION	240 VOLTS 50/60 Hz
<b>CVA-MINI-240-I</b>	ANALYZER WITH CURRENT ISOLATION	
<b>CVA-MINI-240-I-485</b>	ANALYZER WITH RS-485 INTERFACE	
<b>CVA-MINI-240-I-485-HAR</b>	ANALYZER WITH RS-485 PORT and HARMONICS	
<b>CVA-MINI-300-I-485</b>	ANALYZER WITH RS-485 INTERFACE	85 to 265 VOLTS 50/60 Hz or 90 to 300 VOLTS DC
<b>CVA-MINI-300-I-485-HAR</b>	ANALYZER WITH RS-485 PORT and HARMONICS	