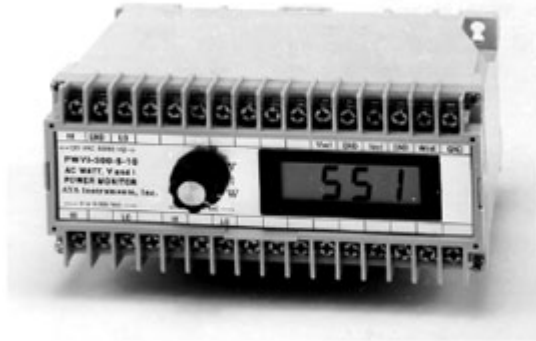
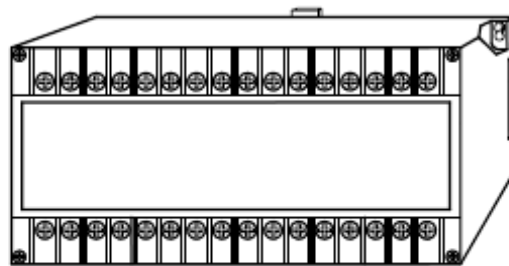


PVAHD-Series - Hall-Effect KVA Power Monitors with Digital Display



The **PVAHD** Power Line Monitors are Hall-Effect precision instruments designed for continuously monitoring and logging the apparent power used in single-phase electric networks. They are packaged in an enclosure designed for permanent installation on a standard DIN-Rail or flat surface.

The Model **PVAHD** Monitor simultaneously measures the APPARENT POWER, TRUE RMS VOLTAGE and TRUE RMS CURRENT. Three simultaneous output signals for external logging and analysis are provided. They can be displayed on a 3-1/2 digit liquid crystal display unit located on the front panel. A three-position switch enables the user to select the parameter to be displayed. Input voltage options include ranges up to 600 volts. Input current options include current ranges up to 25 Amperes. External potential and current transformers can be used to extend the measuring ranges.



Size E
5.9" x 2.9" x 4.4"

AYA INSTRUMENTS

5001 Baum Blvd. Pittsburgh, PA 15213

P: 412-622-5500 – F: 412-681-3773 www.ayainstruments.com

Hall-Effect KVA Power Monitors

WITH LCD DISPLAY

PVAHD

0.5% ACCURACY

Specifications

INPUT VOLTAGE RANGE: FULL SCALE CONTINUOUS
50% OVERRANGE - 3 Seconds
(600 Volts Maximum)

INPUT CURRENT RANGE: FULL SCALE CONTINUOUS
50% OVERRANGE - 3 Seconds

LINE FREQUENCY: 20 to 1000 Hz.

50-60 Hz ACCURACY CLASS: 0.5% of Full Scale for RMS VOLTS
0.5% of Full Scale for RMS AMPERES
1% of Full Scale for VA

OUTPUT OPTIONS: 0 to +1 Volt DC Standard
5 or 10 VDC

OUTPUT RIPPLE: 1% Peak-to-Peak Maximum

ISOLATION TEST: 1 kV - 1 Minute

TEMPERATURE RANGE: 0 to +50 Deg. C

STORAGE TEMPERATURE: -20 to +80 Deg. C

POWER: 120 VAC 50-60 Hz
(120 VAC, 24, 48, 120 VDC ARE OPTIONAL)

ENCLOSURE TYPE: DIN RAIL TYPE 46277
5.9" x 2.9" x 4.4"

Applications & Features

FOR CONTINUOUS MONITORING AND DISPLAY OF:
APPARENT POWER (KVA)
TRUE RMS VOLTAGE
TRUE RMS CURRENT
WITH THREE SIMULTANEOUS OUTPUT SIGNALS.

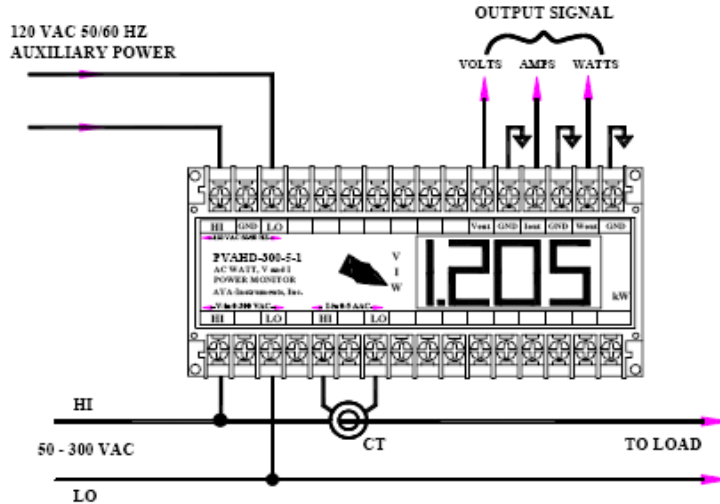
ALL OUTPUT SIGNALS ARE INDEPENDENT OF INPUT
VOLTAGE AND CURRENT WAVEFORMS.

3-1/2 DIGIT LCD DISPLAY, 0.5" HIGH.

CAN BE USED WITH EXTERNAL PT's AND CT's.

OPTIONAL TERMINAL COVERS PROVIDE PROTECTION FROM
ELECTRICAL SHOCK AND SHORTING.

SPECIAL INPUT and OUTPUT RANGES AVAILABLE.



SELECTION CHART			
VOLTAGE INPUT	CURRENT INPUT	OUTPUT SIGNAL	PVAHD MODEL
150 VAC	1 AAC	0-1 VDC	PVAHD-150-1-1
150 VAC	5 AAC	0-1 VDC	PVAHD-150-5-1
300 VAC	1 AAC	0-1 VDC	PVAHD-300-1-1
300 VAC	5 AAC	0-1 VDC	PVAHD-300-5-1
600 VAC	1 AAC	0-1 VDC	PVAHD-600-1-1
600 VAC	5 AAC	0-1 VDC	PVAHD-600-5-1

Specifications subject to change without notification