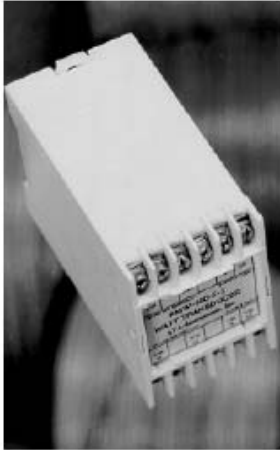


**Hall-Effect Power Monitors**

**PWHDC-Series**

0.5% Accuracy

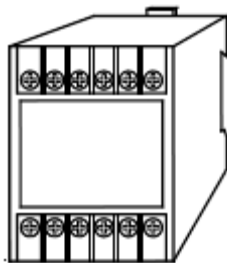


The **PWHDC Power Monitors** are precision instruments designed for continuous measurement of DC power in electric networks. The instruments are packaged in DIN-type enclosures for easy installation on DIN-Rails or on flat surfaces. Standard models are available either with fixed calibrated outputs or with multi-turn trim pots that are located on the front panel.

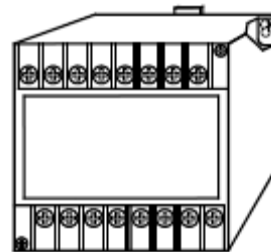
Models **PWHDC** and **PWHDC T** measure **DC POWER**. For currents up to 25 Amperes DC, they incorporate internal **HALL-EFFECT** current sensors. Models **PWDC** and **PWDC T** are available for use with external DC shunts of 0-50 and 0-100 Millivolts DC.

Models **PWHVIDC** and **PWHVIDC T** simultaneously measure the **DC POWER**, the **DC VOLTAGE** and the **DC CURRENT**. They provide three simultaneous DC output signals for external logging, control or analysis.

The monitors whose model ends with a **"T"** incorporate multiturn **ZERO** and **SPAN** trim pots.



Size B  
2.17" x 2.9" x 4.4"



Size C  
2.95" x 2.9" x 4.4"

**Hall-Effect DC Power Monitors**

**PWHDC and PWHDC**

**0.5% Accuracy**

**SPECIFICATIONS**

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

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

**LINE FREQUENCY:** DC to 1000 Hz.

**ACCURACY CLASS:** 0.5% of Full Scale

**OUTPUT OPTIONS:** 1, 5 or 10 Volt DC  
1, 10, 20 or 4-20 mADC

**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)

**Applications and Features**

HALL EFFECT SENSORS ARE INCORPORATED FOR CURRENTS FROM 1 to 25 AMPERES DC.

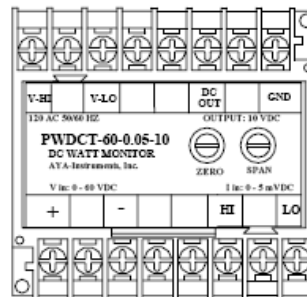
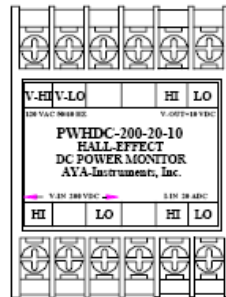
OPTIONAL TERMINAL COVERS PROVIDE PROTECTION FROM ELECTRICAL SHOCK AND SHORTING.

SPECIAL INPUT and OUTPUT RANGES ARE AVAILABLE.

**ENCLOSURE TYPE:** DIN RAIL TYPE 46277

**PWHDC:** 2.17" x 2.9" x 4.4"

**PWHDC:** 2.95" x 2.9" x 4.4"



SELECTION CHART							
VOLTAGE INPUT	CURRENT INPUT	PWHDC- or PWHDC-					
		1 VDC	5 VDC	10 VDC	1 mADC	20 mADC	4-20 mADC
25 VDC	1 ADC	25-1-1	25-1-5	25-1-10	25-1-1M	25-1-20M	25-1-4/20
25 VDC	5 ADC	25-5-1	25-5-5	25-5-10	25-5-1M	25-5-20M	25-5-4/20
25 VDC	10 ADC	25-10-1	25-10-5	25-10-10	25-10-1M	25-10-20M	25-10-4/20
25 VDC	25 ADC	25-25-1	25-25-5	25-25-10	25-25-1M	25-25-20M	25-25-4/20
50 VDC	1 ADC	50-1-1	50-1-5	50-1-10	50-1-1M	50-1-20M	50-1-4/20
50 VDC	5 ADC	50-5-1	50-5-5	50-5-10	50-5-1M	50-5-20M	50-5-4/20
50 VDC	10 ADC	50-10-1	50-10-5	50-10-10	50-10-1M	50-10-20M	50-10-4/20
50 VDC	25 ADC	50-25-1	50-25-5	50-25-10	50-25-1M	50-25-20M	50-25-4/20
150 VDC	1 ADC	150-1-1	150-1-5	150-1-10	150-1-1M	150-1-20M	150-1-4/20
150 VDC	5 ADC	150-5-1	150-5-5	150-5-10	150-5-1M	150-5-20M	150-5-4/20
150 VDC	10 ADC	150-10-1	150-10-5	150-10-10	150-10-1M	150-10-20M	150-10-4/20
150 VDC	25 ADC	150-25-1	150-25-5	150-25-10	150-25-1M	150-25-20M	150-25-4/20
300 VDC	1 ADC	300-1-1	300-1-5	300-1-10	300-1-1M	300-1-20M	300-1-4/20
300 VDC	5 ADC	300-5-1	300-5-5	300-5-10	300-5-1M	300-5-20M	300-5-4/20
300 VDC	10 ADC	300-10-1	300-10-5	300-10-10	300-10-1M	300-10-20M	300-10-4/20
300 VDC	25 ADC	300-25-1	300-25-5	300-25-10	300-25-1M	300-25-20M	300-25-4/20

Specifications subject to change without notification.