




# PA60

## MULTI CIRCUIT POWER METER



PA60 is a multi circuit and multi-function meter, designed for general single phase or poly phase power measurement, with wide measuring range, it can be applied either on low voltage primary side or medium/high voltage secondary side for its high accuracy under 5A current. PA60 equipped with clip-on CT, standard communication, small size and low cost.

### » Specification

Input V	10-600V AC(VLL)
Input I	CTΦ10mm (50mA~60A)、CTΦ16mm (70mA~100A)、CTΦ24mm (120mA~200A)
Power Supply	80-380VAC
Frequency	60/50Hz
Measuring Target System	3P3W、3P4W、1P2W、1P3W、1P3W+1P2W or 1P3W、3P4W+1P2W、3P3W+1P2W
Accuracy	60A-V:0.5%,I:1%, kW:1%(PF=1)(plus CT accuracy) 100A/200A-V:0.5%,I:1%, kW:2%(PF=1)(plus CT accuracy) 500A-V:0.5%,I:1%, kW:2%(PF=1)(plus CT accuracy)
Power Parameters Measures	Current (Average, phase), Voltage ( $V_{LN}$ , $V_{LL}$ , Average) Frequency, Power Factor (Total, Phase) kW, kvar, kVA (Total, Phase), kWh, kvarh, kVAh
Harmonics Analysis	VTHD, ITHD
Display	LCD display, 58*17(mm <sup>2</sup> )
Display Item	V, I, kW, kWh, kvarh, PF, F, VTHD, ITHD
Primary Comm.	RS485*2, half duplex isolated Baud Rate : 1200 / 2400 / 4800 / 9600 / 19200 / 38400 Protocol : Modbus RTU
Secondary Comm.	3 <sup>th</sup> RS485 or Ethernet
Size (mm)	191(W)*116(H)*59(D)
Operation Temp	-20°C ~ 70°C
Installation	DIN Rail Mounted
Index of Protection	IP30
Certification	<ul style="list-style-type: none"> <li>⊗ LVD : EN61010-1</li> <li>⊗ CE :</li> <li style="padding-left: 20px;">EN61326-1      EN61000-3-2</li> <li style="padding-left: 20px;">EN61000-3-3    IEC61000-4-2</li> <li style="padding-left: 20px;">IEC61000-4-3    IEC61000-4-4</li> <li style="padding-left: 20px;">IEC61000-4-5    IEC61000-4-6</li> <li style="padding-left: 20px;">IEC61000-4-8    IEC61000-4-11</li> <li>⊗ FCC :</li> <li style="padding-left: 20px;">FCC PART 15B      CISPR 22</li> <li style="padding-left: 20px;">ICES-003 Issue 5    ANSI C63.4</li> </ul>

### » Features

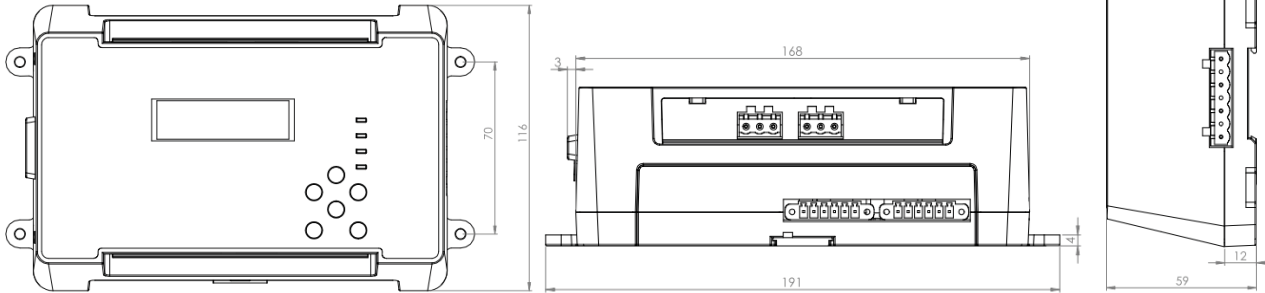
- » Clip-on CT, easy wiring for on-line installation.
- » Max. 12 channels for single phase or 4 three phase channels, can be extended to 24 channels for single phase or 8 three phase channels.
- » External CTs for retrofit applications ranges from 60A up to 200A supported
- » Multiple wiring mode :3P3W, 3P4W, 1P2W, 1P3W, 1P3W+1P2W or 1P3W, 3P4W+1P2W, 3pw+1P2W
- » Flexible configuration capability in each channel
- » Built-in standard double RS485 communication ports
- » Optional module available (3thRS485 or Ethernet)

## Size and Latch

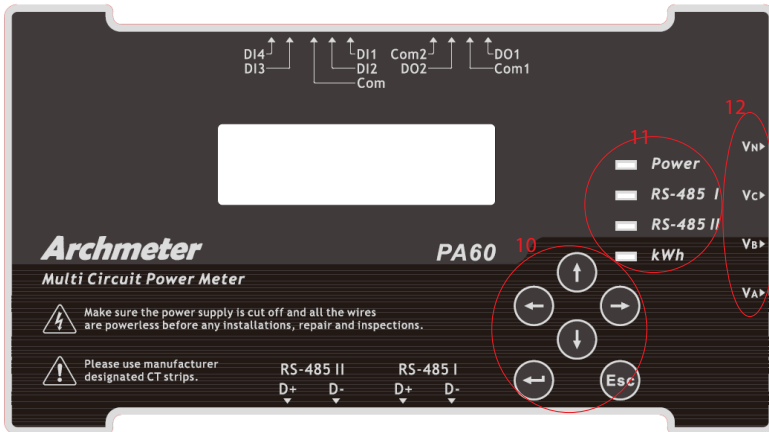
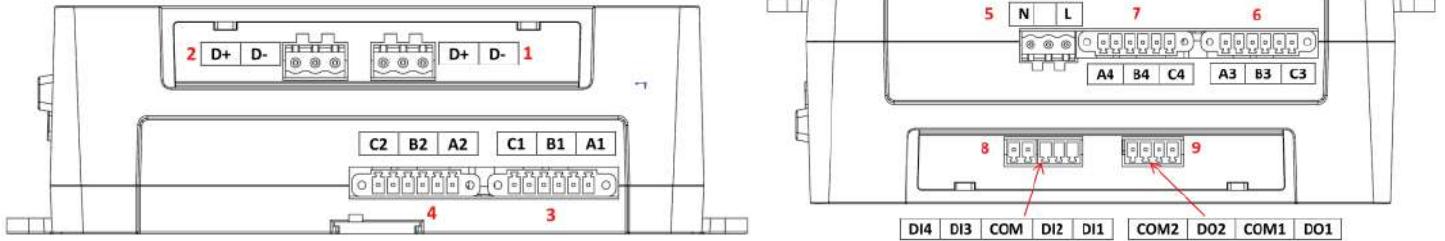
Top View

Side View

Right-Side View



## Interface



1	RS485-1
2	RS485-2
3	CT terminal 1
4	CT terminal 2
5	Aux Power
6	CT terminal 3
7	CT terminal 4
8	DI
9	DO
10	Button
11	Status
12	PT terminal

## Ordering Code

PA60-①②③④

① **Meter Type**

0 : For 5A/60A/100A/200A  
/500ACT

② **Secondary Comm. Port**

0 : None  
1 : RS485

③ **Language**

0 : Chinese  
1 : English

④ **Frequency**

0 : 60Hz  
1 : 50Hz

### CT Option CT

0 : 5A(CTΦ10mm, 10mA~5A)      1 : 60A(CTΦ10mm, 50mA~60A)  
2 : 100A(CTΦ16mm, 70mA~100A)      3 : 200A(CTΦ24mm, 120mA~200A)  
4 : 500A (CTΦ36mm, 500mA~500A)



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