



## Multi Circuit Power Meter PA60



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.

### ◆ Features

- True RMS energy and power parameters measurement in compact size
- Max. 12 channels for single phase or 4 channels for three phase, can be extended to 24 channels for single phase or 8 channels three phase
- External CTs for retrofit applications ranges from 5A up to 500A supported
- Multiple wiring mode : 3P3W · 3P4W · 1P2W · 1P3W · 1P3W+1P2W or 1P3W · 3P4W+1P2W · 3P3W+1P2W
- Flexible configuration capability in each channel
- Built-in standard double RS485 communication ports
- Optional module available(RS485 or Ethernet)

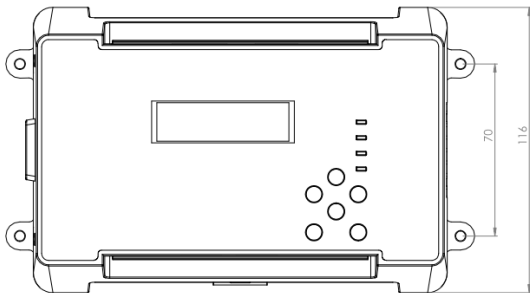
### ◆ Specification

Input V	10V–600V
Input I	CTΦ10mm ( 10mA~5A) · CTΦ10mm ( 50mA~60A) · CTΦ16mm ( 70mA~100A) · CTΦ24mm ( 120mA~200A) · CTΦ36mm ( 500mA~500A)
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) 5A/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	V THD · I THD
Display	LCD display, 58*17(mm <sup>2</sup> )
Display Item	V · I · kW · kWh · kvarh · PF · F · VTHD · ITHD
Primary Comm.	RS485*2(up-link and slave), half duplex isolated Baud Rate : 1200 / 2400 / 4800 / 9600 / 19200 / 38400 Protocol : Modbus RTU
Secondary Comm.	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 : EN61326-1      EN61000-3-2 EN61000-3-3      IEC61000-4-2 IEC61000-4-3      IEC61000-4-4 IEC61000-4-5      IEC61000-4-6 IEC61000-4-8      IEC61000-4-11</li> <li>● FCC : FCC PART 15B      CISPR 22 ICES-003 Issue 5      ANSI C63.4</li> </ul>

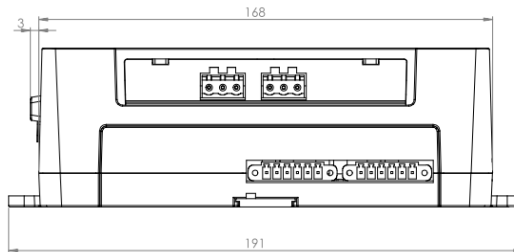


## ◆ Size and Latch

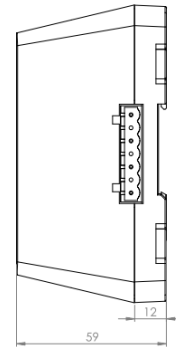
Top View



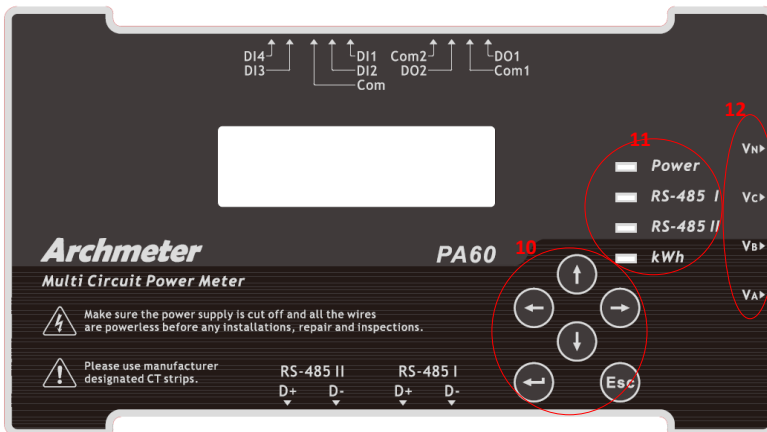
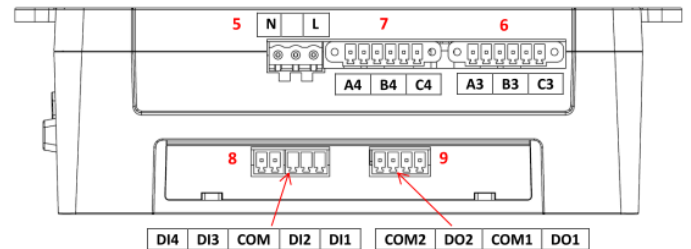
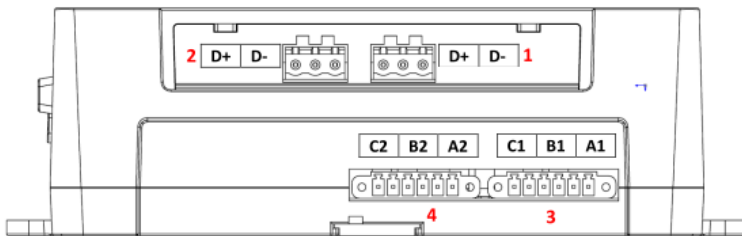
Side View



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  
2 : Ethernet

#### 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)