

PA30 Compact Smart Meter

PA30 series are designed for general single phase or poly phase power measurement, with wide range. It can be applied either on low voltage primary side or medium/high voltage secondary side for its high accuracy (<1%, IEC62053-21) under 5A current. PA30 equipped with clip-on CT, standard communication, small size and low cost.



Features

- True RMS energy and power parameters measurement in compact size
- Clip-on CT, easy wiring for on-line installation
- RS485 communication support Modbus protocol
- Wh accuracy better than 0.5%(pf =1)
- Support Lon Talks (option)
- Wild range of measurement with various size of CT , up to 200A(24Ømm)

Certificate

1. LVD Test: EN61010-1
2. CE Test :
 - EN61326 Conducted Emission
 - EN61000-3-2 Harmonic Current Emission
 - EN61000-4-2 Electrostatic Discharge
 - EN61000-4-4 Electrical Fast Transient/Burst
 - EN61000-4-6 Conducted Susceptibility
 - EN61000-4-11 Voltage Dips and Interruption
 - EN61326 Radiated Emission
 - EN61000-3-3 Voltage Fluctuation and Flicker
 - EN61000-4-3 Radiated Susceptibility
 - EN61000-4-5 Surge
 - EN61000-4-8 Power Frequency magnetic Field
3. FCC Test : ClassA and CISPR 22



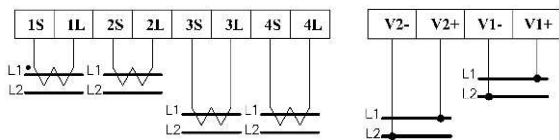
Arch Meter Corporation
www.archmeter.com

Specification

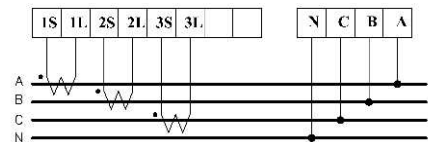
Input V	PA34 : 10-300V PA33 : 10-500V
Input I	CT Ø10mm (60A) 、 CTØ16mm (100A) 、 CTØ24mm (200A)
Aux Power	DC 10-30V
Frequency	60/50Hz
Starting I	<0.001Ib
Wiring diagram	PA34 : 1-phase 4-channel PA33 : Auto or manal setting 1P2W-1CT 、 1P3W-2CT 、 3P3W-2CT 、 3P3W-3CT 、 3P4W
Power Parameters Measures	PA34 : V1, V1, V2, V2 I 1, I 2, I 3, I 4 kW1, kW2, kW3, kW4 kVA1, kVA2, kVA3, kVA4 kvar1, kvar2, kvar3, kvar4 PF1, PF2, PF3, PF4 kWh1, kWh2, kWh3, kWh4 kVAh1, kVAh2, kVAh3, kVAh4 kvarh1, kvarh2, kvarh3, kvarh4 PA33 : VA, VB, VC, Vave IA, IB, IC, I ave kWA, kWb, kWc, kWtot kVAA, kVAB, kVAC, kVAtot kvarA, kvarB, kvarC, kvartot PFA, PFB, PFC, Pftot kWhA, kWhB, kWhC, kWh tot kVAhA, kVAhB, kVAhC, kVAhtot kvarhA, kvarhB, kvarhC, kvarhtot
Communication	RS485 ,half duplex isolated Baud Rate : 9600,19200(default), 38400 Protocol : Modbus LonTalks : (option)
kWh Accuracy	0.5%(PF=1), better than IEC62053-21
Size	78(L) x 35(W) x 99(H) mm
Operation Temp	-10°C~60°C
Installation	Rail-mounted

Wiring Diagram

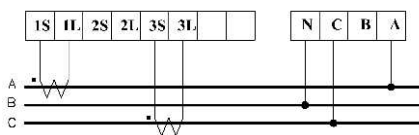
■ 1P4W(PA34)



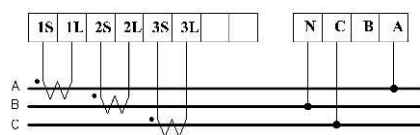
■ 3P4W-3CT(PA33)



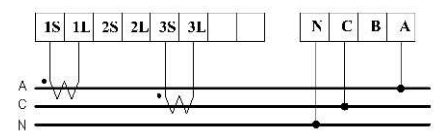
■ 3P3W-2CT(PA33)



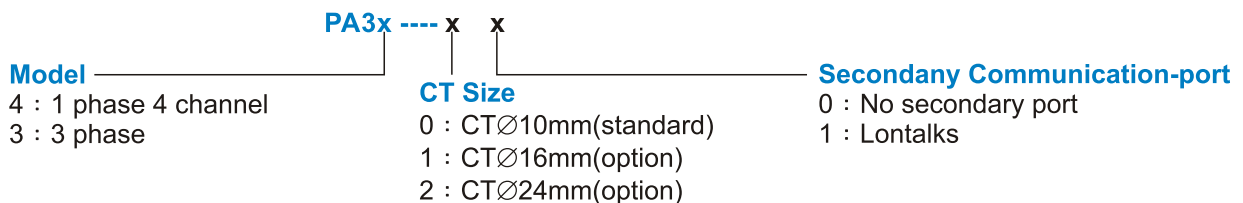
■ 3P3W-3CT(PA33)



■ 1P3W-2CT(PA33)



Ordering Code



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