



- Site Programmable CT and PT ratio
- True RMS measurement
- Password protection
- Maximum demand with relay contact
- Optional features
- RS485 computer interface
- 60A direct CT module available
- Harmonic measurement (THDV, THDI)
- Auto ranging
- Universal Auxiliary supply

Product Detail

Energy Meter series	PN Series
Model	PN600
Type	Energy and Power Meter

Advantages

To caution on the Extra Energy Consumption
To identify inefficiency of Machine / Man
Reduce Panel Space, Wiring, Installation time

Applications

Control Panels / Distribution Systems / Motor Controls
Energy Management System / Process Control & Scada
Generator Sets / Test Bench

Measuring Parameters

V _{L-L} (Individual / Average)
V _{L-N} (Individual / Average)
Current (Individual / Average)
Neutral Current
Power Factor (Individual / Average)
Phaser Angle
Frequency
Power (Active, Reactive and Apparent Power)
Maximum Demand (kW, kVA)
Peak Maximum Demand (kW, kVA)
Energy (Active, Reactive Inductive, Reactive Capacitive, Apparent)
Run Hour (Import, Export and Total)

Supply Voltage

Auxiliary Supply	90V - 270V AC, DC (±15%)
Frequency	50/60 Hz

Display

Display	4 Row of 4 Digits (For parameter) LED Display
Digit Height	0.39" (9.9) mm
Display Scrolling	Automatic / Manual

Settable Parameters

C.T. Primary	1/5A to 10000A (programmable)
C.T. Secondary	1/5A (Programmable)
P.T. Ratio	Programmable upto 500 kV
Display Reset	Energy

Input Specifications

Electrical Connection	3 Phase 4 Wire / 3 Phase 3 Wire	
Input Voltage Range	10V - 500V AC (L-L) / 10V - 300V (L-N)	
Input Current Range	0.015A - 6A AC, Direct 60A Optional	
Frequency	45 Hz - 65 Hz	
Resolution	Energy	0.1 kWh
	Power Factor	0.001 PF
	Frequency	0.01 Hz
	Voltage	Autoranging
	Current	Autoranging
	Power	Autoranging
	Accuracy	Voltage
Current		\pm 0.5% of F.S.
Power Factor		\pm 0.5% of F.S.
Frequency		\pm 0.1% of F.S.
Power		(Active, Reactive and Apparent) : 0.5%
Energy		(Active, Reactive and Apparent) : Class 0.5
Voltage		0.2VA Max per input
Current		0.2VA Max. per input
Aux. Supply		3VA Max.

Output Specification

Communication	RS485 (Optional)
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Environmental Specifications

Temperature	Operating : -10°C to 55°C
	Storage : -20°C to 75°C
Humidity	<95% RH

Mechanical Specifications

Mounting	Flush Mounting with Side Clamps
Weight	280 gram
Enclosure Material	ABS Thermoplastic

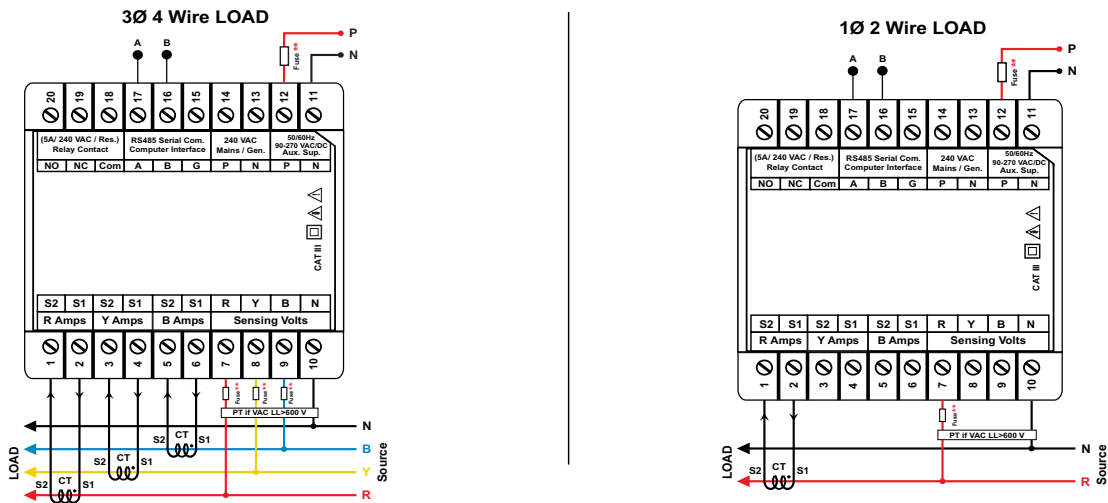
Applicable Standards

Radio Interference Suppression	CISPR22
Fast Transient Burst Test	IEC61000-4.4
Damped Oscillatory Waves Immunity Test	IEC61000-4.12
Test of Immunity to Electromagnetic RF Fields	IEC61000-4.3
Test of Immunity to Conducted Disturbances, Induced by Radio-Frequency Fields	IEC61000-4.6
Test of Immunity to Electrostatic Discharges	IEC61000-4.2
Surge Immunity Test	IEC61000-4.5
Test of Protection Against Penetration of Dust & Water	IEC60529

Safety Standards

Safety Standard	IEC61010-1
Pollution Degree	2
Installation Category	III
High Voltage Test	3.3kVAC, 50Hz for 1 Minute Between Aux. & Measuring Inputs

Connection Diagram



Dimensional Diagram

