



-  Accuracy Class 0.2S
-  Harmonic Analysis - Upto 15th Order
-  Bi-Directional Metering
-  Maximum Demand Management (Via Control Module)
-  Flashing Alarms on Display
-  Optical and RS485 Ports
-  Expandability with Expansion Modules
-  IP54 Protection

Product Detail

| | |
|-----------------------|------------------------|
| Power Analyzer series | POWERNAAC™ |
| Model | PN720 |
| Type | Digital Power Analyzer |

Technical Specifications

Auxiliary supply Us

| | | |
|-----------------------------------|-----|----------------|
| Auxiliary rated supply voltage | AC | 100V...440V AC |
| Auxiliary rated supply voltage | DC | 120V...250V DC |
| Auxiliary operating voltage range | min | 90V AC |
| | max | 484V AC |
| Auxiliary operating voltage range | min | 93.5V DC |
| | max | 300V DC |
| Operational frequency | min | 45 Hz |
| | max | 66 Hz |
| Power consumption | max | 9.5 VA |
| Power dissipation | max | 3.5 W |

Measuring Voltage inputs

| | | |
|--------------------------------------|--|---------------|
| Rated Voltage (Ue) | phase-phase | 600V AC |
| | phase-neutral | 300V AC |
| Operating Voltage range | phase-phase | 50V...720V AC |
| | phase-neutral | 30V...360V AC |
| Voltage inputs operational frequency | min | 45 Hz |
| | max | 66 Hz |
| Voltage inputs measurement method | True RMS | |
| Connection method | Single. Two. three-phase with or without neutral. Balanced three-phase system | |

Technical Specifications

Current Inputs

| | |
|--------------------|--|
| Rated Current (Ie) | 1A / 5A |
| Measurement range | 0.01...1.2 / 0.01...6 |
| Measurement method | TRMS |
| Overload capacity | +20% Ie by external CT with 5A secondary |
| Overload peak | 50A for 1s |

Accuracy

| | | |
|--|------------|---------------|
| Measurement conditions | Class 0.2S | Active Energy |
| (T +23°C ±1 °C / Rel. Humidity 45 ±15% R.H.) | | |

Main Measurements

| | |
|--------------|---|
| Measurements | Voltage: Phase, line and system values |
| | Current: phase values (neutral current calculated) |
| | Power: Apparent, active and reactive phase and total values |
| | P.F: Power Factor per phase and total |
| | Frequency of measured voltage value |
| | High-Low-Average value functions for all measurements |
| | Maximum demand of power and current values |
| | Voltage and Current asymmetry |
| | Total Harmonic Distortion (THD): Voltage and Current |
| | Harmonic Analysis of Volt. and Current upto the 15 ^o order |
| | Energy meters for active, reactive, apparent partial and total values |
| | Imported and exported energy |
| | Phase active power unbalance |
| | Hour counter for programmable total and partial hours |

Communication

| | |
|------------------------|---------------------------|
| Communication Port | RS485 |
| Communication Protocol | Modbus-RTU, ASCII and TCP |

Display

| | |
|------|------------------------|
| Type | LCD |
| Size | 72x46 mm / 2.8" x 1.8" |

Insulations

| | |
|---------------------------------------|--------|
| Rated insulation voltage Ui | 600V |
| Rated impulse withstand voltage Uimp | 9.5 kV |
| Operating frequency withstand voltage | 5.2 kV |

Technical Specifications

Mechanical features

| | | |
|-------------------------|------|---------------------------------------|
| Housing type | | Polyamide |
| Terminals type | | Removable |
| Conductor cross section | min. | 0.2 mm ² |
| | max. | 2.5 mm ² |
| | min. | 24 AWG |
| | max. | 12 AWG |
| Tightening torque (Max) | | 0.5 Nm |
| | | 4.5 lbin |
| Fixing | | Flush-mounting, 96x96mm / 3.78"x3.78" |
| Weight | | 350 gram |
| Expansion Slot | | 1 no. |

Ambient Conditions

| | | |
|--------------------------|-----|---------------------|
| Operating temperature | min | -20°C |
| | max | +60°C |
| Storage temperature | min | -30°C |
| | max | +80°C |
| Relative humidity | | <90 % |
| Maximum Pollution degree | | 2 |
| Protection degree | | IP54 : Front Fascia |
| | | IP20 : At Terminals |

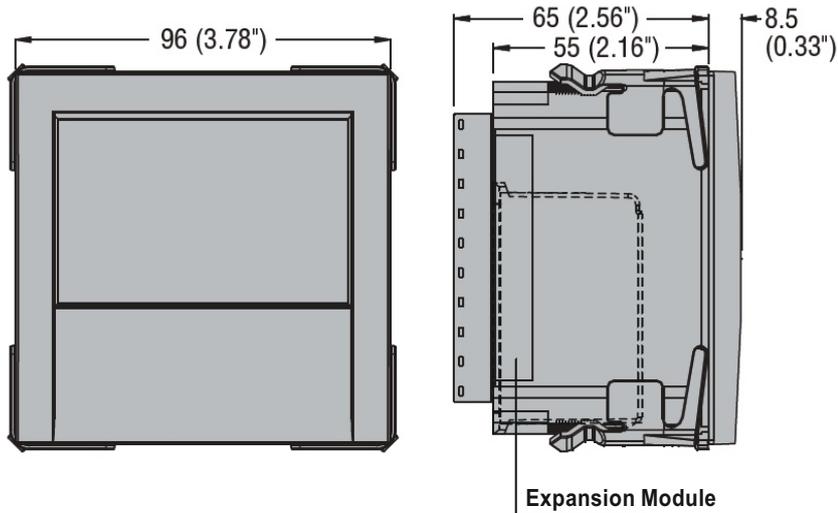
Certifications

Certifications

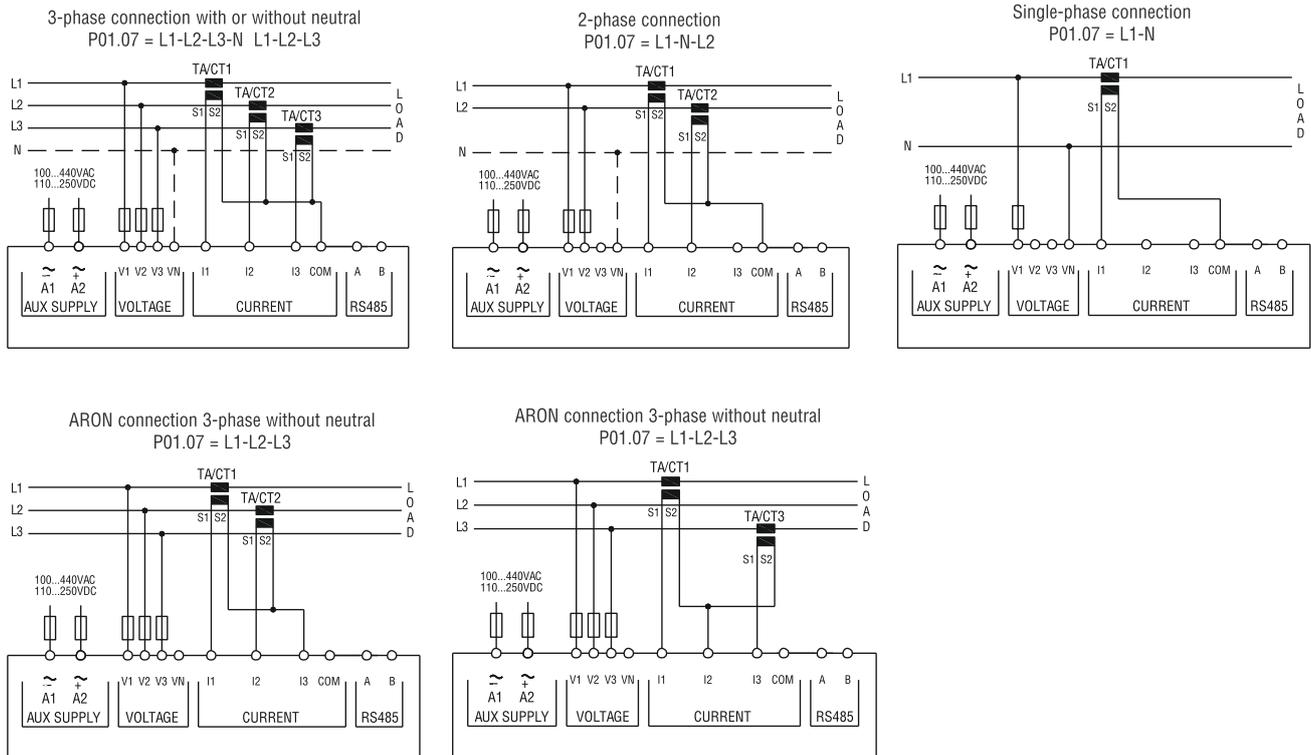
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Dimensions :-



Wiring Diagrams



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Sold & Serviced in India by :

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