

Power Distribution Solutions

PAC3100 Power Meter

Basic Monitoring of Electrical Power Systems

The **PAC3100** is a powerful compact power monitoring device that is suitable for use in industrial, government and commercial applications, where basic metering and energy monitoring is required. The meter may be used as a stand alone device monitoring over 25 parameters or as part of an industrial control, building automation or global power monitoring system. Metering and monitoring applications range from simple analog volt and amp meter replacements to stand-alone sub-billing or cost allocation installations.

The PAC3100 has many features not usually found in this price class of meters. A large graphical display supports multiple languages and easy to use menus that can be used to set up the meter. The meter also has built in Modbus RTU communications via a RS485 interface. The meter comes standard with two digital inputs and outputs. One output is suitable for pulse output for export/import real and reactive energy. The other output is controllable from an outside source by way of a Modbus register.

Precision

- ANSI C12.16 Class1s
- Energy Measurement
 - Voltage +/- 1%
 - Current +/- 1%
 - Power Factor +/- 1%
 - Sampling Rate 64/per cycle
- Revenue Accurate
 - Sub Billing
 - Cost Allocation
- Cost Effective

Energy Management

- Energy Consumption
- Demand Control
- Automation Integration
- Solution for LEED® credit
- Monitors Critical Equipment
- Sub Metering

Reliability

- Economical Measurement
 - Commercial
 - Industrial
 - Residential
- Degree of Protection
 - Front – IP65
 - Rear – IP20
- 480V Connected Voltage
- Simple Retrofit Installation
- Integration with Existing Systems

96 mm
3.78 in.

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3.78 in.

MODBUS RTU

Terminal block for (2) Digital I/O

Terminals for current and voltage

Full Graphic LCD Display to indicate:

- Display title or designation of the displayed measurements
- Phase
- Measured value
- Unit
- Labeling of function keys

Example of operating menu

With an easy-to-read adjustable back lit LCD display, the PAC3100 can be commissioned in only two steps. After selecting the language and setting two parameters (voltage and current inputs), the meter is ready for use.①

Order information

| Product | Catalog Number |
|--|--------------------|
| PAC3100 compression terminals AC/DC | 7KM3133-0BA00-3AA0 |
| Adapter Plate for 4700/4720 meter cutout | 93-47ADAPTER |
| PAC32/4200 Meter DIN Rail adapter – Meter display will not be seen | 7KM9900-0YA00-0AA0 |
| PAC32/4200 Meter DIN Rail 2-adapter – Meter display will not be seen | 7KM9900-0XA00-0AA0 |

① Languages included as standard in the meter are English, German, French, Spanish, Italian, Portuguese, Turkish, Russian and Chinese.