

Power Distribution Solutions

PAC3200 Power Meter

Reliable and Precise Monitoring of Electrical Power Systems

The **PAC3200** 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 50 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 with multiple tariffs.

The PAC3200 provides open communications using Modbus RTU/TCP, PROFIBUS-DP, and PROFINET protocols for easy integration into any local or remote monitoring system. Simple configuration of the meter can be done from the front display.

Precision

- ANSI C12.20 Class 0.5s
- Energy Measurement
 - Voltage +/- .3%
 - Current +/- .3%
 - Power Factor +/- .5%
 - Sampling Rate 64/per cycle
 - Total Harmonic Distortion (THD)
- Revenue Accurate
 - Sub Billing
 - Cost Allocation
- Cost Effective

Energy Management

- Energy Consumption
- Automation Integration
- Solution for LEED® credit
- Monitors Critical Equipment
- Modbus TCP/RTU
- Industrial Systems
 - PROFIBUS
 - PROFINET

Reliability

- Economical Measurement
 - Commercial
 - Industrial
 - Residential
- Degree of Protection
 - Front – IP65
 - Rear – IP20
- 600V Connected Voltage
- Simple Retrofit Installation
- Integration with Existing Systems

96 mm
3.78 in.

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3.78 in.

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:

The texts can be displayed in several languages, which can be selected directly on the device.^① The large graphic LCD display facilitates reading even from a distance. For optimum visibility even in poor light conditions the PAC3200 comes with a gradually adjustable background illumination.

Modbus TCP integrated into the meter as standard

SENTRON PAC, PROFIBUS DP, MODBUS RTU and PROFINET expansion modules for remote data transmission

Terminal blocks for voltage and current measuring, control power and digital input and output (available with compression terminals)

Order information

Product	Catalog Number
PAC3200 compression terminals (not suitable for use with ring tongue terminals), AC/DC	7KM21120BA003AA0
PAC3200 compression terminals (not suitable for use with ring tongue terminals), DC only	7KM21111BA003AA0
PAC PROFIBUS DP expansion module	7KM93000AB000AA0
PAC PROFINET expansion module	7KM93000AE010AA0
PAC MODBUS RTU expansion module	7KM93000AM000AA0
PAC3200/4200 Meter DIN Rail adapter – Meter display will not be seen	7KM99000YA000AA0
PAC3200/4200 Meter DIN Rail 2-Tier adapter – Meter display will not be seen	7KM99000XA000AA0
Power Supply. Input: 120-230V AC / 110-300V DC Output: 24 V DC 4 Amps. DIN Rail mounted.	US2:PWRSP4A
Adapter Plate for 4700/4720 meter cutout	93-47ADAPTER

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