

SENTRON, measuring device, 7KM PAC2200, LCD, L-L: 400 V, L-N: 230 V, 5 A, strd rail instr., 3-phase, Modbus RTU, apparent /active/reactive energy, self-powered, screw terminals



| Model | |
|--|-------------------------|
| Product brand name | SENTRON |
| Product designation | 7KM PAC2200 |
| Design of the product | basic |
| Product type designation | Measuring instrument |
| Type of measured value detection | complete |
| General technical data | |
| Size of Power Monitoring Device / company-specific | 6MW |
| Operating mode for measured value detection | |
| <ul style="list-style-type: none"> • automatic line frequency detection | Yes |
| <ul style="list-style-type: none"> • set at 50 Hz | No |
| <ul style="list-style-type: none"> • set to 60 Hz | No |
| Voltage curve | Sinusoidal or distorted |
| Measurable line frequency / initial value | 45 Hz |
| Measurable line frequency / Full-scale value | 65 Hz |
| Measuring procedure / for voltage measurement | TRMS |
| Supply voltage | |
| Type of voltage / of the supply voltage | self-powered |

| Protection class | |
|---|---|
| Protection class IP | |
| <ul style="list-style-type: none"> • Rear side | IP20 |
| Current | |
| Measurable current | |
| <ul style="list-style-type: none"> • 1 / at AC / Rated value | 1 A |
| <ul style="list-style-type: none"> • 2 / at AC / Rated value | 5 A |
| Suitability | |
| Suitability for operation | Standard mounting rail device |
| Product function | |
| Product function | |
| <ul style="list-style-type: none"> • reactive power measurement | Yes |
| <ul style="list-style-type: none"> • voltage measurement | Yes |
| <ul style="list-style-type: none"> • Current measurement | Yes |
| <ul style="list-style-type: none"> • active power measurement | Yes |
| Display and operation | |
| Design of the display | LCD |
| Number of keys | 4 |
| Communication | |
| Protocol | |
| <ul style="list-style-type: none"> • is supported | Modbus RTU |
| Fault limits | |
| Reference condition / for metering accuracy | In accordance with IEC61557-12, IEC62053-22 and IEC62053-23 |
| Inputs Outputs | |
| Number of digital outputs | 1 |
| Number of digital inputs | 1 |
| Type of switching output | solid state |
| Type of electrical connection | |
| <ul style="list-style-type: none"> • at the digital outputs | screw-type terminals |
| Operating conditions for digital inputs / external voltage supply | Yes |
| Measuring inputs | |
| Outer conductors and neutral conductors internal resistance / for voltage measurement | 1 M Ω |
| Measurable supply voltage | |
| <ul style="list-style-type: none"> • between (PE)N and L / at AC / minimum | 46 V |
| <ul style="list-style-type: none"> • between (PE)N and L / at AC / maximum | 276 V |
| <ul style="list-style-type: none"> • between (PE)N and L / at AC / maximum rated value | 230 V |

| | |
|---|----------------|
| <ul style="list-style-type: none"> • between the outer conductors / at AC / maximum rated value | 400 V |
| Voltage measuring range extension / with external voltage transformers | No |
| Current measuring range extension / with external current transformers | Yes |
| Measuring category / for voltage measurement | CATIII |
| Supply voltage / between the outer conductors / at AC / maximum permissible | 480 V |
| Continuous current / at AC / maximum permissible | 10 A |
| Measuring category / for current measurement | CATIII |
| Zero-point suppression / for current measurement <ul style="list-style-type: none"> • for neutral conductor current | 10 mA 45 mA |
| Relative measurable current / at AC <ul style="list-style-type: none"> • minimum • maximum | 1 % 120 % |
| Apparent power consumption / for current measurement <ul style="list-style-type: none"> • with measuring range 5 A / per phase | 0.5 V·A |
| Measuring procedure / for current measurement | TRMS |


Connections

| | |
|--|--|
| Type of electrical connection | |
| <ul style="list-style-type: none"> • at the measurement inputs for voltage • at the measurement inputs for current | screw-type terminals screw-type terminals |

Mechanical Design

| | |
|--------------------------------|---------|
| Height | 90 mm |
| Width | 108 mm |
| Depth | 64 mm |
| Installation depth | 70.8 mm |
| Mounting type / panel mounting | No |
| Mounting position | any |

Certificates

| | |
|---|--|
| Declaration of Conformity | other |
|  EG-Konf. | Manufacturer Declaration |

Further information

Information- and Downloadcenter (Catalogs, Brochures,...)
<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7KM2200-2EA30-1DA1>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/7KM2200-2EA30-1DA1>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KM2200-2EA30-1DA1

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>

