



SETRON, measuring device, 7KM PAC3200T, strd mnt. rail encl. w/o display, L-L: 400 V, L-N: 230 V, 5 A, strd rail instr., 3-phase, MODBUS TCP, apparent /active/reactive energy, wide-range pwr sup. unit AC/DC, screw terminals

Model	
product brand name	SETRON
product designation	7KM PAC3200T
design of the product	basic
product type designation	Measuring instrument
Measurements	
measuring procedure	
• for voltage measurement	TRMS
• for current measurement	TRMS
type of measured value detection	complete
voltage curve	Sinusoidal or distorted
measurable line frequency	
• initial value	45 Hz
• full-scale value	65 Hz
operating mode for measured value detection automatic line frequency detection	Yes
operating mode for measured value detection	
• set at 50 Hz	No
• set to 60 Hz	No
Supply voltage	
design of the power supply	Wide-range power supply
type of voltage of the supply voltage	AC/DC
Suitability	
suitability for operation	Standard mounting rail device
Product Functions	
product function	
• voltage measurement	Yes
• current measurement	Yes
• active power measurement	Yes
• reactive power measurement	Yes
Display and operation	
design of the display	Standard mounting rail enclosure without display
number of keys	4
Communication	
protocol at the Ethernet interface is supported	MODBUS TCP
transfer rate 1 for Ethernet	10 Mbit/s
transfer rate 2 for Ethernet	100 Mbit/s
Fault limits	
reference condition for metering accuracy	In accordance with IEC61557-12, IEC62053-22 and IEC62053-23

Inputs Outputs			
number of digital inputs	1		
operating conditions for digital inputs external voltage supply	Yes		
number of digital outputs	1		
type of switching output	solid state		
type of electrical connection at the digital outputs	screw-type terminals		
Measuring inputs			
measurable supply voltage between (PE)N and L at AC maximum rated value	230 V		
measurable supply voltage between (PE)N and L at AC <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	46 V 276 V		
measurable supply voltage between the line conductors at AC maximum rated value	400 V		
voltage measuring range extension with external voltage transformers	yes		
line conductors and neutral conductors internal resistance for voltage measurement	1 MΩ		
measuring category for voltage measurement	CATIII		
measurable current <ul style="list-style-type: none"> <li>• 1 at AC rated value</li> <li>• 2 at AC rated value</li> </ul>	1 A 5 A		
relative measurable current at AC <ul style="list-style-type: none"> <li>• minimum</li> <li>• maximum</li> </ul>	1 % 120 %		
current measuring range extension with external current transformers	yes		
zero point suppression for current measurement <ul style="list-style-type: none"> <li>• for neutral conductor current</li> </ul>	10 mA 45 mA		
measuring category for current measurement	CATIII		
Connections			
type of electrical connection <ul style="list-style-type: none"> <li>• at the measurement inputs for voltage</li> <li>• at the measurement inputs for current</li> </ul>	screw-type terminals screw-type terminals		
Mechanical Design			
fastening method standard rail mounting	Yes		
size of Power Monitoring Device	6MW		
height	90 mm		
width	108 mm		
depth	64 mm		
installation depth	70.8 mm		
mounting position	any		
<b>General Product Approval</b>	<b>EMC</b>	<b>Declaration of Conformity</b>	<b>other</b>



[Miscellaneous](#)

#### Further information

**Information- and Downloadcenter (catalogues, leaflets,...)**

<http://www.siemens.com/energy-automation>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=7KM3200-0CA01-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7KM3200-0CA01-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7KM3200-0CA01-1AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KM3200-0CA01-1AA0)

**CAx-Online-Generator**

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

Tender specifications

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





