## **SIEMENS**

## **Data sheet**



SENTRON, 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	SENTRON			
product designation	multimeter			
design of the product	basic			
Measurements				
measuring procedure				
<ul> <li>for voltage measurement</li> </ul>	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				
<ul> <li>voltage measurement</li> </ul>	Yes			
<ul> <li>current measurement</li> </ul>	Yes			
<ul> <li>active power measurement</li> </ul>	Yes			
<ul> <li>reactive power measurement</li> </ul>	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 supply	voltage	Yes			
number of digital outputs		1	1		
type of switching output		solid state			
type of electrical connection at the digital out	outs	screw-type terminals			
Measuring inputs					
measurable supply voltage between (PE)N as maximum rated value	nd L at AC	230 V			
measurable supply voltage between (PE)N ar	nd L at AC				
• minimum		46 V			
maximum		276 V			
measurable supply voltage between the line of AC maximum rated value	conductors at	400 V			
voltage measuring range extension with extentransformers	rnal voltage	yes			
line conductors and neutral conductors intern for voltage measurement	al resistance	1 ΜΩ			
measuring category for voltage measuremen	t	CATIII			
measurable current					
<ul> <li>1 at AC rated value</li> </ul>		1 A			
<ul> <li>2 at AC rated value</li> </ul>		5 A			
relative measurable current at AC					
• minimum		1 %			
maximum		120 %			
current measuring range extension with exter transformers	nal current	Yes			
zero point suppression for current measurement		10 mA			
for neutral conductor current		45 m/	A		
measuring category for current measurement			CATIII		
Connections					
type of electrical connection					
<ul> <li>at the measurement inputs for voltage</li> </ul>		screw-type terminals			
at the measurement inputs for current		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		
General Product Approval	EMC		Declaration of Conformity	other	

Confirmation









Environmental Confirmations

other

**Miscellaneous** 

## Further information

Information- and Downloadcenter (catalogues, leaflets,...) <a href="http://www.siemens.com/energy-automation">http://www.siemens.com/energy-automation</a>

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

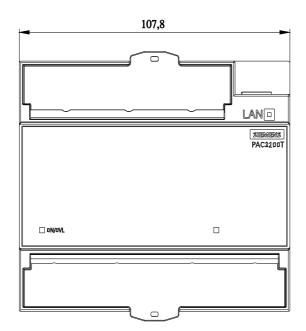
Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...) <a href="http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=7KM3200-0CA01-1AA0">http://www.automation.siemens.com/bilddb/cax\_en.aspx?mlfb=7KM3200-0CA01-1AA0</a>

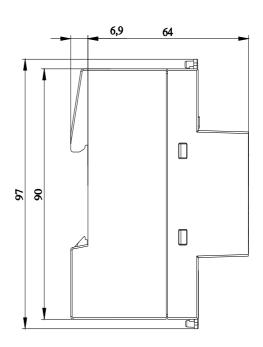
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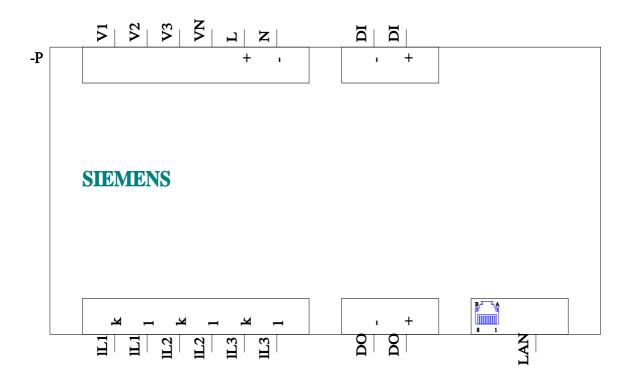
http://www.siemens.com/cax

**Tender specifications** 

http://www.siemens.com/specifications







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