

SETRON, measuring device, 7KT PAC1600, LCD, L-N: 230 V, 63 A, strd rail instr., sing.-ph., Modbus RTU/ASCII + MID, app. /active/reactive energy, self-powered, screw terminals



Model	
product brand name	SETRON
product designation	7KM PAC1600
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	66 Hz
operating mode for measured value detection	Yes
automatic line frequency detection	
operating mode for measured value detection	
• set at 50 Hz	No

- set to 60 Hz

No

Supply voltage

type of voltage of the supply voltage self-powered

Degree of protection/protection class

protection class IP on the front IP40

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 LCD

number of keys 1

Fault limits

reference condition for metering accuracy Acc. to IEC62053-21 and IEC62053-23

Inputs Outputs

number of digital inputs	0
operating conditions for digital inputs external voltage supply	No
number of digital outputs	0
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	
• minimum	187 V
• maximum	264 V
measuring category for voltage measurement	CATIII
measurable current	
• 1 at AC rated value	63 A
• 2 at AC rated value	63 A
relative measurable current at AC	
• minimum	0.8 %
• maximum	100 %
continuous current at AC maximum permissible	63 A

zero point suppression for current measurement	40 mA
measuring category for current measurement	CATIII

Connections

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

Mechanical Design

size of Power Monitoring Device	2MW
height	90 mm
width	35.8 mm
depth	63 mm
net weight	148 g
mounting position	any

Environmental conditions

ambient temperature during operation	
<ul style="list-style-type: none"> minimum 	-25 °C
<ul style="list-style-type: none"> maximum 	55 °C
ambient temperature during storage	
<ul style="list-style-type: none"> minimum 	-25 °C
<ul style="list-style-type: none"> maximum 	70 °C
relative humidity at 25 °C without condensation during operation maximum	80 %
installation altitude at height above sea level maximum	2 000 m
degree of pollution	2

Certificates

General Product Approval



IMQ

Declaration of Conformity



EG-Konf.

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=7KT1652>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7KT1652>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KT1652

CAX-Online-Generator

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







