

SETRON, measuring device, 7KT PAC1600, LCD, L-N: 230 V, 63 A, strd rail instr., sing.-ph., M-Bus + MID, apparent/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=7KT1654>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7KT1654>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KT1654

CAX-Online-Generator

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







