

SETRON, measuring device, 7KT PAC1600, LCD, L-L: 400 V, L-N: 230 V, 5 A, strd rail instr., 3-phase, S0 + 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 | 3 |
| Fault limits | |
| reference condition for metering accuracy | Acc. to IEC62053-21 and IEC62053-23 |
| Inputs Outputs | |
| number of digital inputs | 1 |
| operating conditions for digital inputs external voltage supply | Yes |
| input voltage at digital input at DC maximum | 240 V |
| number of digital outputs | 2 |
| type of switching output | solid state |
| digital output version | Static |
| operating voltage as output voltage at DC maximum permissible | 30 V |
| type of electrical connection at the digital outputs | screw-type terminals |
| output current | |
| • at digital output for signal <1> maximum | 50 mA |
| • at the digital outputs at DC limited to 100 ms maximum | 50 mA |
| standard for pulse emitter | Standard / For Pulse Emitter |
| pulse duration | |
| • initial value | 10 ms |
| • full-scale value | 1 000 ms |
| adjustable time period minimum | 10 ms |
| 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 |
| measurable supply voltage between the line conductors at AC maximum rated value | 400 V |
| measuring category for voltage measurement | CATIII |
| measurable current | |
| • 1 at AC rated value | 5 A |
| • 2 at AC rated value | 5 A |
| relative measurable current at AC | |
| • minimum | 1 % |
| • maximum | 120 % |
| continuous current at AC maximum permissible | 6 A |
| zero point suppression for current measurement | 10 mA |
| measuring category for current measurement | CATIII |

Connections

| | |
|---|----------------------|
| type of electrical connection | |
| • at the measurement inputs for voltage | screw-type terminals |
| • at the measurement inputs for current | screw-type terminals |

Mechanical Design

| | |
|---------------------------------|---------|
| size of Power Monitoring Device | 4MW |
| height | 90 mm |
| width | 71.6 mm |
| depth | 63 mm |
| net weight | 280 g |
| mounting position | any |

Environmental conditions

| | |
|--|---------|
| ambient temperature during operation | |
| • minimum | -25 °C |
| • maximum | 55 °C |
| ambient temperature during storage | |
| • minimum | -25 °C |
| • 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



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=7KT1673>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7KT1673>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KT1673

CAX-Online-Generator

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

Tender specifications

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





