

Digital measuring instrument Transmitter SICAM T, Standard mounting rail device without display, Enclosure 96 mm x 96 mm x 100 mm, IP20, 2 binary outputs, Ethernet interface with Modbus TCP, galvanized separated current transformer, 4 analog outputs, serial interface./comm. proto. RS 485 / Modbus RTU



Figure similar

Measuring functions	
measuring procedure / for voltage measurement	galvanically separated voltage transformer
scanning frequency / per sample cycle	3 200 Hz
number of harmonics	0
product function / phase angle measurement	Yes
product function / active power measurement	Yes
product function / reactive power measurement	Yes
product function / apparent power measurement	Yes
product function / querying of limit violations	Yes
product function / logic function	No
type of measured value detection / min./max. values	No
type of measured value detection / mean values	Yes
accuracy class / of the measuring instrument / for measured variable active power / acc. to IEC 62053-22	0,2S
accuracy class / of the measuring instrument / for measured variable reactive power	0,5

File transfer formats

type of data transmission / via CSV	No
energy management function	
product function / active energy measurement	Yes
product function / reactive energy measurement	Yes
product function / apparent energy measurement	Yes
Measuring inputs	
number of inputs / for voltage measurement	4
number of inputs / for current measurement	3
input voltage / between L and L / maximum	690 V
input voltage / between L and N / maximum	400 V
input current / maximum	10 A
Supply voltage	
supply voltage / at AC	110 ... 230 V
supply voltage / at DC	24 ... 250 V
measuring range frequency / at the measurement inputs	45 ... 65 Hz
type of voltage / of the supply voltage	AC/DC
Inputs / Outputs	
number of analog inputs	0
number of digital inputs	0
number of analog outputs	4
number of digital outputs	2
Communication	
protocol / is supported / IEC 61850	No
protocol / is supported / Modbus TCP	Yes
protocol / is supported / Modbus RTU	Yes
protocol / is supported / SNMP	No
protocol / is supported / OPC UA with PubSub	No
protocol / is supported / IEC 60870-5-103	No
protocol / is supported / IEC 60870-5-104	No
communication function / Modbus RTU as master	No
number of ports / of the Ethernet interface	1
product function / gateway function for Modbus RTU	No
Cyber Security	
type of access control / role-based access control (RBAC)	No
product function / logging via Audit log	No
product function / logging via Security Eventlog	No
service / as web server / HTTPS	Yes
product function / firmware identifier	No
time synchronization	

type of time synchronization	NTP
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## Mechanical Design

width	96 mm
height	96 mm
depth	100 mm
weight	500 g
mounting type / standard rail mounting	Yes
mounting type / wall mounting	Yes
mounting type / rack mounting	Yes
type of electrical connection	screw-type terminals
connectable conductor cross-section	0.2 ... 2.5 mm <sup>2</sup>

## Degree of protection/protection class

protection class IP / on the front	IP20
protection class IP / rear side	IP20

## Environmental conditions

ambient temperature / during operation	-25 ... +55 °C
ambient temperature / during storage	-25 ... +70 °C

## approval certification

certificate of suitability / CE marking	Yes
certificate of suitability / UL approval	Yes

## 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=7KG9661-2FA10-1AA0>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7KG9661-2FA10-1AA0>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7KG9661-2FA10-1AA0](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KG9661-2FA10-1AA0)

### Tender specifications

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