

Multi-functional measuring device and Class A power quality recorder
 Dimensions: 192 mm x 96 mm x 134.6 mm, Control panel instrument with graphical display, integrated LCD display, Auxiliary power supply: Power supply AC/DC (110 V to 230 V) Binary I/O, 3 binary inputs and 3 relay outputs, Modbus TCP (rated measured values and PQ measured values/results) and IEC 61850, 4 x 1 A/5 A current inputs, 4 x voltage measurement inputs, (PQI class A) and logging

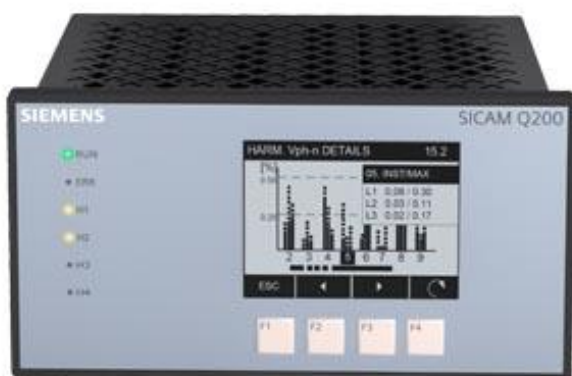


Figure similar

Measuring functions	
Scanning frequency / per sample cycle	40 960 Hz
Number of harmonics	63
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	Yes
Product function / measurement of the harmonic active power	Yes
Type of measured value detection / min./max. values	Yes
Type of measured value detection / mean values	Yes
Accuracy class / of the measuring instrument / for measured variable active power / acc. to IEC 62053-22	0,1S
Accuracy class / of the measuring instrument / for measured variable reactive power	0,5

Storage capacity	2 Gbyte
Power Quality functions	
Power quality assessment function / transient detection/logging	Yes
Power quality assessment function / Total Harmonic Distortion (THD)	Yes
Power quality assessment function / voltage dip	Yes
Power quality assessment function / detecting and visualization of voltage fluctuations	Yes
Power quality assessment function / measurement of the harmonic phase angle	Yes
Product function / Overvoltage detection	Yes
Product function / for voltage variations and flicker / Integrated / according to IEC 61000-4-15	Yes
Accuracy class / of the measuring instrument / acc. to IEC 61000-4-30	Class A
File transfer formats	
Type of data format / for record / COMTRADE	Yes
Type of data format / for record / PQDif	Yes
Type of data transmission / via CSV	Yes
energy management function	
Product function / active energy measurement	Yes
Product function / reactive energy measurement	Yes
Product function / apparent energy measurement	Yes
Energy management function / calculation of load profiles	Yes
Energy management function / tariffs	Yes
Energy management function / load factor (TOU)	Yes
Number of tariffs	4
Measuring inputs	
Number of inputs / for voltage measurement	4
Number of inputs / for current measurement	4
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	110 ... 250 V
Measuring range frequency / at the measurement inputs	42.5 ... 69 Hz
Type of voltage / of the supply voltage	AC/DC
Inputs / Outputs	

Number of analog inputs	0
Number of digital inputs	6
Number of analog outputs	0
Number of digital outputs	6

Communication

Protocol / is supported / IEC 61850	Yes
Protocol / is supported / Modbus TCP	Yes
Protocol / is supported / Modbus RTU	Yes
Protocol / is supported / SNMP	Yes
Protocol / is supported / OPC UA with PubSub	Yes
communication function / Modbus RTU as master	Yes
Number of ports / of Ethernet interface	2
Product function / gateway function for Modbus RTU	Yes

Cyber Security

Type of access control / role-based access control (RBAC)	Yes
Product function / logging via Audit log	Yes
Product function / logging via Security Eventlog	Yes
Service / as web server / HTTPS	Yes
Product function / firmware identifier	Yes

time synchronization

Type of time synchronization	NTP
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Mechanical Design

Width	192 mm
Height	96 mm
Depth	134.6 mm
Weight	1 200 g
Product feature / with display	Yes
Mounting type / Standard rail mounting	No
Mounting type / wall mounting	No
Mounting type / rack mounting	Yes
Type of electrical connection	Screw terminals
Connectable conductor cross-section	0.2 ... 2.5 mm ²

Degree of protection/protection class

Protection class IP / on the front	IP40
Protection class IP / Rear side	IP20

Environmental conditions

Ambient temperature / during operation	-25 ... +55 °C
Ambient temperature / during storage	-40 ... +70 °C

approval certification

Certificate of suitability / CE marking	Yes
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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=7KG9711-0JJ10-0BB0>**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**<https://support.industry.siemens.com/cs/ww/en/ps/7KG9711-0JJ10-0BB0>**Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)**http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KG9711-0JJ10-0BB0**Tender specifications**<http://www.siemens.com/specifications>