



Figure similar

Power Meter SICAM P50 direct-display control panel installation instrument 96 x 96 mm with graphic display, 4 binary outputs, type of protection: IP41 (standard), RS485 with IEC 60870-5-103 and Modbus RTU / ASCII

Measuring functions	
sampling frequency / per sampling cycle	3 200 Hz
number of harmonics	19
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	No
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 / according to IEC 62053-22	0,5S
accuracy class / of the measuring instrument / for measured variable reactive power	1
storage capacity	0.001 Gbyte
Power Quality functions	
power quality assessment function / transient detection/logging	No
power quality assessment function / Total Harmonic Distortion (THD)	Yes
power quality assessment function / voltage dip	No
power quality assessment function / measurement of the harmonic phase angle	No
product function / for voltage variations and flicker / integrated / according to IEC 61000-4-15	No
File formats	
type of data transmission / via CSV	No
Energy Management functions	
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	No
energy management function / tariffs	No
energy management function / load factor (TOU)	No
number of tariffs	0
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
<b>Supply voltage</b>	
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
<b>Inputs / Outputs</b>	
number of analog inputs	0
number of digital inputs	0
number of analog outputs	0
number of digital outputs	4
<b>Communication</b>	
protocol / is supported / IEC 61850	No
protocol / is supported / Modbus TCP	No
protocol / is supported / Modbus RTU	Yes
protocol / is supported / PROFIBUS DP	No
protocol / is supported / SNMP	No
protocol / is supported / OPC UA with PubSub	No
protocol / is supported / IEC 60870-5-103	Yes
communication function / Modbus RTU as master	No
number of ports / of the Ethernet interface	0
product function / gateway function for Modbus RTU	No
<b>Cybersecurity</b>	
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	No
product function / firmware identifier	No
<b>Time synchronization</b>	
type of time synchronization	RTC, Modbus RTU, binary input
<b>Mechanical Design</b>	
width	96 mm
height	96 mm
depth	94 mm
weight	650 g
product feature / with display	Yes
fastening method / standard rail mounting	No
fastening method / wall mounting	No
fastening method / rack mounting	Yes
type of electrical connection	Screw terminals
connectable conductor cross-section	2.5 mm <sup>2</sup>
<b>Degree of protection / protection class</b>	
protection class IP / on the front	IP41
protection class IP / rear side	IP20
<b>Environmental conditions</b>	
ambient temperature / during operation	-25 ... +55 °C
ambient temperature / during storage	-25 ... +70 °C
<b>Approval certification</b>	
certificate of suitability / CE marking	Yes
certificate of suitability / UL approval	No
<b>Further information</b>	

**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?mfib=7KG7750-0BA01-0AA1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7KG7750-0BA01-0AA1>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mfb=7KG7750-0BA01-0AA1](http://www.automation.siemens.com/bilddb/cax_en.aspx?mfb=7KG7750-0BA01-0AA1)

**Tender specifications**

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

