

Power Meter SICAM P50 Direct-display control panel installation instrument 96 x 96 mm with graphical display 2 analog outputs (DC 0-20/ 4-20 mA) Degree of protection: IP41 (standard) RS 485 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 / active power measurement	Yes
Product function / reactive power measurement	Yes
Product function / Apparent power measuring	Yes
Product function / query limit value violations	Yes
Product function / Logics functionality	Yes
Type of measured value acquisition / min./max.-values	Yes
Type of measured value acquisition / average values	Yes
Storage capacity	0.001 Gbyte
Power Quality functions	
Power quality function / measurement of harmonic phase angle	No
Energy management functions	
Product function / Active energy measurement	Yes
Product function / Reactive energy measuring	Yes
Product function / Apparent energy measuring	Yes
Energy management function / Tariff	No
Energy management function / Time of Use (TOU)	No
Measuring inputs	
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 analog outputs	2
Number of digital inputs	0
Number of digital outputs	2

Communication

Protocol / is supported / IEC 61850	No
Protocol / is supported / Modbus TCP	No
Protocol / is supported / Modbus RTU	Yes
Protocol / is supported / SNMP	No
Communication function / Modbus RTU as master	No
Number of ports / of Ethernet interface	0

Cyber Security

Service / as web server / HTTPS	No
Type of access control / Role Based Access Control (RBAC)	No

Mechanical Design

Width	96 mm
Height	96 mm
Depth	94 mm
Weight	650 g
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 mm ² ... 2.5 mm ²

degree of protection/protection class

Protection class IP / Rear side	IP20
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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	No

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=7KG7750-0DA01-0AA1>

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

<https://support.industry.siemens.com/cs/ww/en/ps/7KG7750-0DA01-0AA1>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KG7750-0DA01-0AA1

Tender specifications

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

