

Product datasheet

Specifications



modular single phase power meter iEM2000 - 230V - 40A

Local distributor code:

397406621

A9MEM2000

EAN Code: 3606480217401

Main

Range	Acti9
family	Acti9 iEM2000
Device short name	iEM2000
Product or component type	Energy meter

Complementary

poles description	1P + N
Type of measurement	Active power
Device application	Sub billing
Accuracy class	Class 1 active energy conforming to IEC 62053-21 Class B active energy conforming to EN 50470-3
Input type	Direct input
Maximum current [Imax]	40 A
[Ib] basic current	5 A
Rated current	40 A
Rated voltage	230 V +/- 20 %
Network frequency	50 Hz 60 Hz
Frequency measurement range	48...62 Hz
Technology type	Electronic
Display type	Electromechanical
Sampling rate	32 samples/cycle
Measurement current	0.25...40 A
Display digits	7
Maximum value measured	999999.9 kWh
Communication port protocol	-
Communication port support	-
Local signalling	Green indicator light: power ON Yellow indicator light: metering and activity 3200 p/kWh
Digital inputs	0
Maximum power consumption in VA	10 VA at 240 V AC
mounting mode	Clip-on

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Mounting support	DIN rail
Connections - terminals	Power circuit: tunnel type terminals (bottom) 1 10 mm² cable(s)
Tightening torque	Power circuit: 1.2 N.m
Standards	IEC 62053-21 IEC 61557-12 EN 50470-3
Product certifications	CE MID-D EAC EAC (metrology) MID-B

Environment

IP degree of protection	IP40 front panel: conforming to IEC 60529 IP20 casing:
Ambient air temperature for operation	-10...55 °C -20...55 °C
ambient air temperature for storage	-40...70 °C
Operating altitude	< 2000 m
Relative humidity	0...95 % at 55 °C
Colour	White
9 mm pitches	2
Width	18 mm
Height	96.5 mm
Depth	69 mm
Net weight	0.073 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.2 cm
Package 1 Width	7.2 cm
Package 1 Length	10.0 cm
Package 1 Weight	115.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	38
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.711 kg

Contractual warranty

Warranty	18 months
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Sustainability

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Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓

Mercury Free

✓

Rohs Exemption Information

Yes

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant with Exemptions

China Rohs Regulation

[China RoHS declaration](#)

Environmental Disclosure

[Product Environmental Profile](#)

Circularity Profile

[End of Life Information](#)