

Product datasheet

Specifications



modular single phase power meter iEM2010 - 230V - 40A with pulse

A9MEM2010

⚠ Discontinued on: 01 Dec 2024

Price: 3,279.98 ZAR

⚠ To be discontinued

Main

Range	Acti9
family	Acti9 iEM2000
Product or component type	Energy meter
Device short name	iEM2010

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
Analogue 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
Number of inputs	0
Number of outputs	1 pulse energy monitoring:
Output voltage	5...35 V DC@20 mA

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Impulse duration	120 ms
Maximum power consumption in VA	10 VA at 240 V AC
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Power circuit: tunnel type terminals (bottom) 1 10 mm ² cable(s) Remote transfer: tunnel type terminals (top) 1 4 mm ² cable(s)
Tightening torque	Power circuit: 1.2 N.m Remote transfer: 0.8 N.m
Standards	IEC 62053-21 IEC 61557-12 EN 50470-3
Product certifications	CE EAC EAC (metrology) MID-B MID-D

Environment

IP degree of protection	IP40 front panel: conforming to IEC 60529 IP20 casing:
Ambient air temperature for operation	-10...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	3.500 cm
Package 1 Width	7.700 cm
Package 1 Length	10.000 cm
Package 1 Weight	126.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	38
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.015 kg

Contractual warranty

Warranty (in months)

18



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Total lifecycle Carbon footprint 27

Environmental Disclosure [Product Environmental Profile](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard No

Packaging without single use plastic Yes

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 1370256b-4f45-45cb-ba74-d245fc174cf9

REACH Regulation [REACH Declaration](#)

Use Longer



Lifetime extension

Repair No

Use Again



Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins