

# Product data sheet

## Characteristics

# A9MEM3250

## iEM3250 energy meter - CT - Modbus



### Main

Range	Acti 9
Range of product	Acti 9 iEM3000
Device short name	iEM3250
Product or component type	Energy meter

### Complementary

Poles description	3P 3P + N 1P + N
Type of measurement	Active energy Current Voltage Active power
Device application	Sub billing Partial meter
Accuracy class	Class 0.5S active energy conforming to IEC 62053-22 Class 0.5S active energy conforming to IEC 61557-12 Class C active energy conforming to EN 50470-3
Input type	External CT 1 A or 5 A
[In] rated current	5 A 1 A
Rated voltage	100...277 V 173...480 V
Network frequency	50 Hz 60 Hz
Technology type	Electronic
Display type	LCD display
Sampling rate	32 samples/cycle
Measurement current	1...32767000 mA
Maximum value measured	99999999 MWh
Communication port protocol	Modbus RTU at 9.6, 19.2 and 38.4 kbauds even/odd or none, insulation 4000 V
Communication port support	Screw terminal block: RS485
Local signalling	Green indicator light: power ON Yellow flashing LED: accuracy checking Yellow indicator light: communications are active on the Modbus port (Modbus)
Number of inputs	0
Number of outputs	0
Mounting mode	Clip-on
Mounting support	DIN rail
Connections - terminals	Current circuit: screw terminals 6 mm <sup>2</sup> cable(s) Voltage circuit: screw terminals 2.5 mm <sup>2</sup> cable(s)
Overvoltage category	III

Standards	IEC 61557-12 IEC 62053-22 IEC 61036 IEC 62053-23 UL 61010-1 IEC 61010
Product certifications	CE conforming to IEC 61010 (safety) CE conforming to EN 61557-12 (power monitor) CE conforming to IEC 61326-1 (EMC) CULus conforming to UL 61010 (safety) CULus conforming to ANSI C12.20 (sub-meter) EAC (sub-meter) RCM conforming to NMI M 6-1 (sub-meter) UL





## Environment

IP degree of protection	IP40 front panel: conforming to IEC 60529 IP20 body: conforming to IEC 60529
Pollution degree	2
Relative humidity	5...95 % at 50 °C
Ambient air temperature for operation	-25...55 °C - IEC
Ambient air temperature for storage	-40...85 °C
Operating altitude	< 2000 m
Colour	White
9 mm pitches	10
Width	90 mm
Height	95 mm
Depth	69 mm

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	343.0 g
Package 1 Height	8.0 cm
Package 1 width	9.5 cm
Package 1 Length	10.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Weight	10.766 kg
Package 2 Height	30.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm
Unit Type of Package 3	P12
Number of Units in Package 3	720
Package 3 Weight	267.384 kg
Package 3 Height	80.0 cm
Package 3 width	120.0 cm
Package 3 Length	110.0 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>

Circularity Profile	 <a href="#">End Of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
<b>Contractual warranty</b>	
Warranty	18 months