

## Product data sheet

### Characteristics

# A9MEM3275

iEM3275 energy meter - CT - LON - 1 digital I - multi-tariff - MID



### Main

Range	Acti 9
Range of product	Acti 9 iEM3000
Device short name	IEM3275
Product or component type	Energy meter

### Complementary

Poles description	3P 1P + N 3P + N
Type of measurement	Active and reactive energy Active and reactive power Current Voltage
Metering type	Active, reactive, apparent energy (signed, four quadrant)
Device application	Sub billing Partial meter Multi-tariff
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	1 A 5 A
Rated voltage	100...277 V 173...480 V
Network frequency	60 Hz 50 Hz
Technology type	Electronic
Display type	LCD display
Sampling rate	32 samples/cycle
Measurement current	1...32767000 mA
Maximum value measured	99999999 MWh
Tariff input	Tariff (4)
Communication port protocol	LON, insulation 3750 V
Communication port support	Screw terminal block: LonWorks TP/FT-10
Local signalling	Green indicator light: power ON Yellow flashing LED: accuracy checking Alarm: overload
Number of inputs	1 digital 0...5 V/11...40 V 24 V DC
Number of outputs	0
Mounting mode	Clip-on
Mounting support	DIN rail

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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 61036 IEC 61010 UL 61010-1 IEC 62053-22 IEC 61557-12 IEC 62053-23
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 MID conforming to EN 50470-3 (sub-meter) MID conforming to EN 62052 (sub-meter)






## 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	372 g
Package 1 Height	8 cm
Package 1 width	9.5 cm
Package 1 Length	10.5 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes
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