

# Product data sheet

## Characteristics

# A9MEM3175

iEM3175 energy meter - 63 A - LON - 1 digital I - multi-tariff - MID

Product availability : Non-Stock - Not normally stocked in distribution facility



### Main

Range	Acti 9
Range of product	Acti 9 iEM3000
Device short name	IEM3175
Product or component type	Energy meter

### Complementary

Poles description	3P 3P + N 1P + 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 1 active energy IEC 62053-21 Class 1 active energy conforming to IEC 61557-12 Class B active energy EN 50470-3
Input type	direct input
Line Rated Current	63 A
Rated voltage	100...277 V 173...480 V
Network frequency	50 Hz 60 Hz
Technology type	Electronic
Display type	LCD display

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Sampling rate	32 samples/cycle
Measurement current	0...63 A
Maximum value measured	99999999.9 kWh
Tariff input	Tariff 4)
Communication port protocol	LON 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
Connections - terminals	screw terminals 0.02 in <sup>2</sup> (16 mm <sup>2</sup> )
Overvoltage category	III
Standards	IEC 62053-21 IEC 61010 UL 61010-1 IEC 62053-23 IEC 61036 IEC 61557-12
Product certifications	CE IEC 61010 safety) CE EN 61557-12 power monitor) CE IEC 61326-1 EMC) CULus UL 61010 safety) CULus ANSI C12.20 sub-meter) EAC sub-meter) RCM NMI M 6-1 sub-meter) UL MID EN 50470-3 sub-meter) MID EN 62052 sub-meter)

## Environment

IP degree of protection	Front panel IP40 IEC 60529 Body IP20 IEC 60529
Pollution degree	2
Relative humidity	5...95 % 122 °F (50 °C)
Ambient air temperature for operation	-13...131 °F (-25...55 °C) - MID -13...140 °F (-25...60 °C) - NMI -13...140 °F (-25...60 °C) - IEC
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Operating altitude	< 6561.68 ft (2000 m)
Color	White
9 mm pitches	10
Width	3.54 in (90 mm)
Height	3.74 in (95 mm)
Depth	2.72 in (69 mm)

## Ordering and shipping details

Category	09786 - SE ENTRY POWER METER
Discount Schedule	PL1
GTIN	03606480616495
Nbr. of units in pkg.	1
Package weight(Lbs)	0.08 lb(US) (0.04 kg)
Returnability	No
Country of origin	CN

## Packing Units

Package 1 Height	3.35 in (85.000 mm)
Package 1 width	3.74 in (95.000 mm)
Package 1 Length	4.13 in (105.000 mm)

## Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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.