

Product data sheet

Specifications



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

A9MEM3175

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

Price*: 1,047.28 USD

Main

Range	Acti9
range of product	Acti9 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 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
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

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

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

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 in² (16 mm²)
Overvoltage category	III
Standards	BS EN 61557-12:2021 IEC 61557-12:2021 EN 61557-12:2021 BS EN 61326-1 IEC 61326-1 EN 61326-1 BS EN 62052-11:2020 IEC 62052-11:2020 EN 62052-11:2020 BS EN 62053-21 IEC 62053-21 EN 62053-21 BS EN 62052-23 IEC 62053-23:2020 EN 62052-23 BS EN 62052-31:2015 IEC 62052-31:2015 EN 62052-31:2015 BS EN 61010-1:2010 EN 61010-1:2010 IEC 61010-1:2010 UL 61010-1:2010 BS EN 61010-2-30 IEC 61010-2-30 EN 61010-2-30 UL 61010-2-30 BS EN 50470-3 EN 50470-3 BS EN 50470-1 EN 50470-1 ANSI C12.16
Product certifications	CE IEC 61010-1 safety) CE EN 61557-12 power monitor) CE EN/IEC 61326-1 EMC) UKCA BS EN 61010-1 safety) UKCA BS EN 61557-12 power monitor) UKCA BS EN 61326-1 EMC) CULus UL 61010-1 safety) CULus EN 61010-1 safety) EAC EN 50470-3 sub-meter) RCM EN 62052 sub-meter) KZ EN 50470-3 sub-meter) METAS EN 50470-1 sub-meter) MID EN 50470-3 sub-meter) MID EN 50470-1 sub-meter) NMI NMI M 6-1

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 % 122.0000000000 °F (50 °C)
Ambient air temperature for operation	-13.0000000000...131.0000000000 °F (-25...55 °C) - MID -13.0000000000...158.0000000000 °F (-25...70 °C) - IEC -13.0000000000...140.0000000000 °F (-25...60 °C) - IEC
Ambient Air Temperature for Storage	-40.0000000000...185.0000000000 °F (-40...85 °C)
Operating altitude	< 6561.68 ft (2000 m)
Color	White

9 mm pitches	10
Width	3.5 in (90 mm)
Height	3.7 in (95 mm)
Depth	2.7 in (69 mm)

Ordering and shipping details

Category	US10PL109786
Discount Schedule	0PL1
GTIN	3606480616495
Returnability	Yes
Country of origin	CN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.1 in (8.0 cm)
Package 1 Width	3.7 in (9.5 cm)
Package 1 Length	4.1 in (10.5 cm)
Package 1 Weight	16.2 oz (458.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Height	11.8 in (30.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	31.696 lb(US) (14.377 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	480
Package 3 Height	27.6 in (70.0 cm)
Package 3 Width	47.2 in (120.0 cm)
Package 3 Length	31.5 in (80.0 cm)
Package 3 Weight	485.72 lb(US) (220.32 kg)

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.

[Learn more about Green Premium >](#)

[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
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
Circularity Profile	End of Life Information
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov