# Product data sheet

Specifications

## iEM3250 energy meter - CT - Modbus

A9MEM3250

**Product availability: Stock - Normally stocked in distribution facility**

**Price*: 633.31 USD**

## Main

| | |
|---|---|
| **Range** | Acti9 |
| **Range Of Product** | Acti9 iEM3000 |
| **Device Short Name** | iEM3250 |
| **Product Or Component Type** | Energy meter |

## Complementary

| | |
|---|---|
| **Poles Description** | 3P<br>3P + N<br>1P + N |
| **Type Of Measurement** | Active energy<br>Current<br>Voltage<br>Active power |
| **Device Application** | Sub billing<br>Partial meter |
| **Accuracy Class** | Class 0.5S active energy IEC 62053-22<br>Class 0.5S active energy IEC 61557-12<br>Class C active energy EN 50470-3 |
| **Input Type** | External CT 1 A or 5 A |
| **Line Rated Current** | 5 A<br>1 A |
| **Rated Voltage** | 100…277 V<br>173…480 V |
| **Network Frequency** | 50 Hz<br>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 9.6, 19.2 and 38.4 kbauds even/odd or none 4000 V |
| **Communication Port Support** | Screw terminal block RS485 |
| **Local Signalling** | Green indicator light power ON<br>Yellow flashing LED accuracy checking<br>Yellow indicator light communications are active on the Modbus port (Modbus) |
| **Number Of Inputs** | 0 |
| **Number Of Outputs** | 0 |

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

| | |
|---|---|
| **Mounting Mode** | Clip-on |
| **Mounting Support** | DIN rail |
| **Connections - Terminals** | Current circuit screw terminals 0.01 in² (6 mm²)<br>Voltage circuit screw terminals 0.00 in² (2.5 mm²) |
| **Overvoltage Category** | III |
| **Standards** | BS EN 61557-12:2021<br>IEC 61557-12:2021<br>EN 61557-12:2021<br>BS EN 61326-1<br>IEC 61326-1<br>EN 61326-1<br>BS EN 62052-11:2020<br>IEC 62052-11:2020<br>EN 62052-11:2020<br>BS EN 62053-21<br>IEC 62053-21<br>EN 62053-21<br>BS EN 62053-22:2020<br>IEC 62053-22:2020<br>EN 62052-22<br>BS EN 62052-31:2015<br>IEC 62052-31:2015<br>EN 62052-31:2015<br>BS EN 61010-1:2010<br>EN 61010-1:2010<br>IEC 61010-1:2010<br>UL 61010-1:2010<br>BS EN 61010-2-30<br>IEC 61010-2-30<br>EN 61010-2-30<br>UL 61010-2-30<br>ANSI C12.20 |
| **Product Certifications** | CE IEC 61010-1 safety)<br>CE EN 61557-12 power monitor)<br>CE EN/IEC 61326-1 EMC)<br>UKCA BS EN 61010-1 safety)<br>UKCA BS EN 61557-12 power monitor)<br>UKCA BS EN 61326-1 EMC)<br>CULus UL 61010-1 safety)<br>CULus EN 61010-1 safety)<br>EAC sub-meter)<br>KZ NMI M 6-1<br>KZ<br>NMI NMI M 6-1 |

## Environment

| | |
|---|---|
| **Ip Degree Of Protection** | IP40 front panel: conforming to IEC 60529<br>IP20 body: conforming to IEC 60529 |
| **Pollution Degree** | 2 |
| **Relative Humidity** | 5…95 % 122 °F (50 °C) |
| **Ambient Air Temperature For Operation** | -13…158 °F (-25…70 °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** | US10PL109786 |
| **Discount Schedule** | 0PL1 |
| **Gtin** | 3606480481567 |
| **Returnability** | Yes |
| **Country Of Origin** | CN |

## Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 4.00 in (10.16 cm) |
| **Package 1 Width** | 4.30 in (10.92 cm) |
| **Package 1 Length** | 3.50 in (8.89 cm) |
| **Package 1 Weight** | 0.77 lb(US) (0.35 kg) |
| **Unit Type Of Package 2** | S03 |
| **Number Of Units In Package 2** | 30 |
| **Package 2 Height** | 11.81 in (30 cm) |
| **Package 2 Width** | 11.81 in (30 cm) |
| **Package 2 Length** | 15.75 in (40 cm) |
| **Package 2 Weight** | 23.73 lb(US) (10.766 kg) |
| **Unit Type Of Package 3** | P12 |
| **Number Of Units In Package 3** | 720 |
| **Package 3 Height** | 31.50 in (80 cm) |
| **Package 3 Width** | 47.24 in (120 cm) |
| **Package 3 Length** | 43.31 in (110 cm) |
| **Package 3 Weight** | 589.48 lb(US) (267.384 kg) |

## Contractual warranty

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|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium$^{TM}$ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**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

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|---|---|
| **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 |