## A9MEM3250
### iEM3250 energy meter - CT - Modbus

### Characteristics

#### Main

<table>
<thead>
<tr>
<th>Range</th>
<th>Acti 9</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>Acti 9 iEM3000</td>
</tr>
<tr>
<td>Device short name</td>
<td>IEM3250</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Energy meter</td>
</tr>
</tbody>
</table>

#### Complementary

<table>
<thead>
<tr>
<th>Poles description</th>
<th>3P</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3P + N</td>
</tr>
<tr>
<td></td>
<td>1P + N</td>
</tr>
<tr>
<td>Type of measurement</td>
<td>Active energy</td>
</tr>
<tr>
<td></td>
<td>Current</td>
</tr>
<tr>
<td></td>
<td>Voltage</td>
</tr>
<tr>
<td></td>
<td>Active power</td>
</tr>
<tr>
<td>Device application</td>
<td>Sub billing</td>
</tr>
<tr>
<td></td>
<td>Partial meter</td>
</tr>
<tr>
<td>Accuracy class</td>
<td>Class 0.5S active energy conforming to IEC 62053-22</td>
</tr>
<tr>
<td></td>
<td>Class 0.5S active energy conforming to IEC 61557-12</td>
</tr>
<tr>
<td></td>
<td>Class C active energy conforming to EN 50470-3</td>
</tr>
<tr>
<td>Input type</td>
<td>External CT 1 A or 5 A</td>
</tr>
<tr>
<td>[In] rated current</td>
<td>5 A</td>
</tr>
<tr>
<td></td>
<td>1 A</td>
</tr>
<tr>
<td>Rated voltage</td>
<td>100...277 V</td>
</tr>
<tr>
<td></td>
<td>173...480 V</td>
</tr>
<tr>
<td>Network frequency</td>
<td>50 Hz</td>
</tr>
<tr>
<td></td>
<td>60 Hz</td>
</tr>
<tr>
<td>Technology type</td>
<td>Electronic</td>
</tr>
<tr>
<td>Display type</td>
<td>LCD display</td>
</tr>
<tr>
<td>Sampling rate</td>
<td>32 samples/cycle</td>
</tr>
<tr>
<td>Measurement current</td>
<td>1...32767000 mA</td>
</tr>
<tr>
<td>Maximum value measured</td>
<td>99999999 MWh</td>
</tr>
<tr>
<td>Communication port protocol</td>
<td>Modbus RTU at 9.6, 19.2 and 38.4 kbauds even/odd or none, insulation 4000 V</td>
</tr>
<tr>
<td>Communication port support</td>
<td>Screw terminal block: RS485</td>
</tr>
</tbody>
</table>

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.
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 mm² cable(s)
- Voltage circuit: screw terminals 2.5 mm² 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)
- CUULus conforming to UL 61010 (safety)
- CUULus 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 - MID
- -25…60 °C - NMI
- -25…60 °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

Offer Sustainability

Sustainable offer status
Green Premium product

REACH Regulation
REACH Declaration

EU RoHS Directive
Compliant
EU RoHS Declaration

Mercury free
Yes

RoHS exemption information
Yes

China RoHS Regulation
China RoHS declaration

Environmental Disclosure
Product Environmental Profile

Circularity Profile
End of Life Information

WEEE
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty
18 months