



### Main

|                           |               |
|---------------------------|---------------|
| Range                     | Acti9         |
| Range of product          | Acti9 iEM3000 |
| Device short name         | iEM3210       |
| Product or component type | Energy meter  |

### Complementary

|                             |                                                                                                                                                              |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poles description           | 3P<br>1P + N<br>3P + N                                                                                                                                       |
| Type of measurement         | Active energy                                                                                                                                                |
| Device application          | Partial meter<br>Sub billing                                                                                                                                 |
| Accuracy class              | Class 0.5S active energy conforming to IEC 62053-22<br>Class 0.5S active energy conforming to IEC 61557-12<br>Class C active energy conforming to EN 50470-3 |
| Input type                  | External CT 1 A or 5 A                                                                                                                                       |
| [In] 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 | -                                                                                                                                                            |
| Communication port support  | -                                                                                                                                                            |
| Local signalling            | Green indicator light: power ON<br>Yellow flashing LED: accuracy checking                                                                                    |
| Number of inputs            | 0                                                                                                                                                            |
| Number of outputs           | 1 pulse                                                                                                                                                      |
| Mounting mode               | Clip-on                                                                                                                                                      |
| Mounting support            | DIN rail                                                                                                                                                     |
| Connections - terminals     | Current circuit: screw terminals 6 mm <sup>2</sup> cable(s)<br>Voltage circuit: screw terminals 2.5 mm <sup>2</sup> cable(s)                                 |
| 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 62052-22<br>IEC 62053-22:2020<br>EN 62052-22<br>BS EN 62052-23<br>IEC 62053-23:2020<br>EN 62052-23<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>BS EN 50470-3<br>EN 50470-3<br>BS EN 50470-1<br>EN 50470-1<br>ANSI C12.20                                                                                     |
| Product certifications | CE conforming to IEC 61010-1 (safety)[RETURN]CE conforming to EN 61557-12 (power monitor)[RETURN]CE conforming to EN/IEC 61326-1 (EMC) [RETURN]UKCA conforming to BS EN 61010-1 (safety)[RETURN]UKCA conforming to BS EN 61557-12 (power monitor)[RETURN]UKCA conforming to BS EN 61326-1 (EMC)[RETURN]CULus conforming to UL 61010-1 (safety) [RETURN]CULus conforming to EN 61010-1 (safety)[RETURN]EAC conforming to EN 50470-3 (sub-meter)[RETURN]RCM conforming to EN 62052 (sub-meter)[RETURN]KZ conforming to EN 50470-3 (sub-meter)[RETURN]METAS conforming to EN 50470-1 (sub-meter)[RETURN]MID conforming to EN 50470-3 (sub-meter)[RETURN]MID conforming to EN 50470-1 (sub-meter)[RETURN]NMI conforming to 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 % at 50 °C                                                               |
| Ambient air temperature for operation | -25...70 °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 Height             | 8 cm    |
| Package 1 Width              | 9.5 cm  |
| Package 1 Length             | 10.5 cm |
| Package 1 Weight             | 256 g   |
| Unit Type of Package 2       | S03     |
| Number of Units in Package 2 | 30      |

|                              |          |
|------------------------------|----------|
| Package 2 Height             | 30 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 10616 g  |
| Unit Type of Package 3       | P12      |
| Number of Units in Package 3 | 720      |
| Package 3 Height             | 80 cm    |
| Package 3 Width              | 120 cm   |
| Package 3 Length             | 110 cm   |
| Package 3 Weight             | 263784 g |

### Offer Sustainability

|                            |                                                                                                                                 |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                           |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant with Exemptions                                                                                                       |
| Mercury free               | Yes                                                                                                                             |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  <a href="#">Yes</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     |
| California proposition 65  | WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>                      |

### Contractual warranty

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