



## Main

|                           |                |
|---------------------------|----------------|
| Range                     | Acti 9         |
| Family                    | Acti 9 iEM2000 |
| Device short name         | iEM2000T       |
| Product or component type | Energy meter   |

## Complementary

|                                 |  |
|---------------------------------|--|
| Poles description               | 1P + N   |
| Type of measurement             | Active power   |
| Device application              | Sub billing  |
| Accuracy class                  | Class 1 active energy conforming to IEC 62053-21   |
| Input type                      | Direct input   |
| Maximum current [Imax]          | 40 A   |
| [Ib] basic current              | 5 A  |
| Rated current                   | 40 A   |
| Rated voltage                   | 230 V +/- 20 %   |
| Network frequency               | 60 Hz<br>50 Hz   |
| Frequency measurement range     | 48...62 Hz   |
| Technology type                 | Electronic   |
| Display type                    | Without display  |
| Sampling rate                   | 32 samples/cycle   |
| Measurement current             | 0.25...40 A  |
| Display digits                  | 0  |
| Communication port protocol     | -  |
| Communication port support      | -  |
| Local signalling                | Green indicator light: power ON<br>Yellow indicator light: metering and activity 3200 p/kWh  |
| Digital inputs                  | 0  |
| Digital outputs                 | 1 pulse energy monitoring:   |
| Output voltage                  | 5...35 V DC@20 mA  |
| Impulse duration                | 120 ms   |
| Maximum power consumption in VA | 10 VA at 240 V AC  |
| Mounting mode                   | Clip-on  |
| Mounting support                | DIN rail   |
| Connections - terminals         | Power circuit: tunnel type terminals (bottom) 1 10 mm <sup>2</sup> cable(s)<br>Remote transfer: tunnel type terminals (top) 1 4 mm <sup>2</sup> cable(s) |
| Tightening torque               | Power circuit: 1.2 N.m<br>Remote transfer: 0.8 N.m   |
| Standards                       | IEC 61557-12<br>IEC 62053-21   |
| Product certifications          | CE   |







## Environment

|                                       |   |
|---------------------------------------|---|
| IP degree of protection               | IP40 front panel: conforming to IEC 60529<br>IP20 casing: |
| Ambient air temperature for operation | -25...65 °C<br>-20...55 °C                                |
| Ambient air temperature for storage   | -40...70 °C   |
| Operating altitude                    | < 2000 m  |
| Relative humidity                     | 0...95 % at 55 °C   |
| Colour                                | White   |
| 9 mm pitches                          | 2   |
| Width                                 | 18 mm   |
| Height                                | 96.5 mm   |
| Depth                                 | 69 mm   |
| Net weight                            | 0.073 kg  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 3.5 cm   |
| Package 1 Width              | 8.0 cm   |
| Package 1 Length             | 10.0 cm  |
| Package 1 Weight             | 112.0 g  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 38       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 4.982 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| REACH free of SVHC         | Yes   |
| 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>       |

## Contractual warranty

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