# Characteristics

## Main
- **Range**: Acti 9
- **Range of product**: Acti 9 iEM3000
- **Device short name**: IEM3250
- **Product or component type**: Energy meter

## Complementary
- **Poles description**: 1P + N, 3P, 3P + N
- **Type of measurement**: Voltage, Current, Active power, Active energy
- **Device application**: Sub billing, Partial meter
- **Accuracy class**: Active energy: class 0.5S according to IEC 62053-22, Active energy: class 0.5S according to IEC 61557-12, Active energy: class C according to EN 50470-3
- **Input type**: External CT 1 A or 5 A
- **[In] rated current**: 1 A, 5 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**: 1...32 767 000 mA
- **Maximum value measured**: 99 999 999 MWh
- **Communication port protocol**: Modbus RTU 9.6, 19.2 and 38.4 kbauds even/odd or none
- **Communication port support**: Screw terminal block: RS485

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**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.

Jun 28, 2019
### Local Signalling
- **Power ON**: indicator light (green)
- **Accuracy checking**: flashing LED (yellow)
- **Communications are active on the Modbus port (Modbus)**: indicator light (yellow)

### Number of Inputs
0

### Number of Outputs
0

### Mounting Mode
Clip-on

### Mounting Support
DIN rail

### Connections - Terminals
- **Current circuit**: screw terminals 6 mm²
- **Voltage circuit**: screw terminals 2.5 mm²

### Overvoltage Category
III

### Standards
- IEC 61036
- IEC 61557-12
- IEC 62053-22
- IEC 62053-23
- IEC 61010
- UL 61010-1

### Product Certifications
- UL
- EAC (sub-meter)
- CE - IEC 61010 (safety)
- CE - IEC 61326-1 (EMC)
- CUlus - ANSI C12.20 (sub-meter)
- RCM - NMI M 6-1 (sub-meter)
- CE - EN 61557-12 (power monitor)
- CUlus - UL 61010 (safety)

### Environment

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<tr>
<th>Environment</th>
<th>Description</th>
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| **IP degree of protection** | IP20 (body) conforming to IEC 60529  
                      | IP40 (front panel) conforming to IEC 60529 |
| **Pollution degree** | 2 |
| **Relative humidity** | 5...95 % at 50 °C |
| **Ambient air temperature for operation** | -25...60 °C (NMI)  
                         | -25...60 °C (IEC)  
                         | -25...55 °C (MID) |
| **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

**RoHS (date code: YYWW)**: Compliant - since 1214 - Schneider Electric declaration of conformity

**REACH**: Reference not containing SVHC above the threshold

**Product environmental profile**: Available

**Product end of life instructions**: Available

### Contractual Warranty

**Warranty period**: 18 months