

E-METER WITH LC-DISPLAY, 3 PHASE,80A,2XS0,2 TARIFFS,  
DIRECT CONNECTION CALIBRATED E.G. BY MID  
COMMUNICATION CAPABLE



| Model                                                                       |             |
|-----------------------------------------------------------------------------|-------------|
| product brandname                                                           | SETRON      |
| Product quality / calibrated                                                | Yes         |
| Type of measured value detection / load profile                             | No          |
| Type of signal                                                              | S0          |
| Design of the electricity meter                                             | Solid-state |
| Design of the pulse output                                                  | Electrical  |
| General technical data                                                      |             |
| Energy-related number of pulses                                             | 500 1/kVAh  |
| Energy-related number of pulses                                             |             |
| • minimum                                                                   | 500 1/kVAh  |
| • maximum                                                                   | 500 1/kVAh  |
| Type of the power supply network                                            | Four-wire   |
| Accuracy class                                                              | 1.2         |
| Rated current of the consumption measurement / with transformer measurement | without     |
| Protection class                                                            |             |
| Protection class IP                                                         | IP50        |

|                                                   |                                           |
|---------------------------------------------------|-------------------------------------------|
| <b>Electricity</b>                                |                                           |
| <b>Electricity meter current type</b>             | 2-4-conductor counter                     |
| <b>Tariff version of the electricity meter</b>    | two tariff                                |
| <b>Electricity meter energy type</b>              | active energy meter/reactive energy meter |
| <b>Short-term overload current</b>                | 80 A                                      |
| <b>Main circuit</b>                               |                                           |
| <b>Operating frequency</b>                        |                                           |
| • initial value                                   | 50 Hz                                     |
| • Full-scale value                                | 50 Hz                                     |
| • rated value                                     | 50 Hz                                     |
| <b>Operating voltage</b>                          |                                           |
| • rated value                                     | 400 V                                     |
| • between N and L / minimum                       | 184 V                                     |
| • between N and L / maximum                       | 276 V                                     |
| <b>Operating current / rated value</b>            | 5 A                                       |
| <b>Suitability</b>                                |                                           |
| <b>Suitability for use</b>                        | Import/export                             |
| • incremental value acquisition                   | No                                        |
| <b>Product details</b>                            |                                           |
| <b>Product component</b>                          |                                           |
| • electronic pulse generator                      | No                                        |
| • pulse output                                    | Yes                                       |
| <b>Product function</b>                           |                                           |
| <b>Product function</b>                           |                                           |
| • Backstop                                        | No                                        |
| • Blocking code                                   | No                                        |
| • Electricity tariff meter changeover             | Yes                                       |
| <b>Display and operation</b>                      |                                           |
| <b>Display version</b>                            | digital                                   |
| <b>Communication</b>                              |                                           |
| <b>Design of the interface</b>                    | Other types                               |
| <b>Number</b>                                     |                                           |
| <b>Number of characters that can be displayed</b> | 8                                         |
| <b>Connections</b>                                |                                           |
| <b>Electricity meter connection type</b>          | direct connection                         |
| <b>Mechanical Design</b>                          |                                           |
| <b>Number of width units</b>                      | 4                                         |
| <b>Mounting type</b>                              | installation                              |
| <b>Mounting type / Side-by-side mounting</b>      | Yes                                       |

## Certificates

Certificate of suitability

Measuring Instruments Directive

General Product Approval

EMC

Declaration of Conformity



## Further information

Information- and Downloadcenter (Catalogs, Brochures,...)

<http://www.siemens.com/lowvoltage/catalogs>

Industry Mall (Online ordering system)

<https://eb.automation.siemens.com/mall/en/WW/Catalog/Product/7KT1545>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<http://support.automation.siemens.com/WW/view/en/7KT1545/all>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, ...)

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=7KT1545](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=7KT1545)

CAX-Online-Generator

<http://www.siemens.com/cax>

Tender specifications

<http://www.siemens.com/specifications>

