The ME162 single-phase electronic meters are intended for electric energy measurement and registration in single-phase two-wire networks in household. The meter is approved and manufactured in compliance with the IEC 62052-11, IEC 62053-21 (IEC 61036) standards and ISO 9001. They are designed according to even more severe Iskraemeco’s standards that are the result of our more than 50-year experiences of meter manufacturing and fifty million meters installed worldwide.

- Internal clock
- Data display on LCD in voltage-free state (option)
- LCD backlight (option)
- Communication optical port for semi-automatic meter reading
- Smaller dimensions
- Energy measurement: one direction, double direction or absolute

<table>
<thead>
<tr>
<th>Features</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>kWh</td>
<td>Active power</td>
</tr>
<tr>
<td>Single or double direction</td>
<td></td>
</tr>
<tr>
<td>T(4)</td>
<td>Multi-rate registration</td>
</tr>
<tr>
<td>Internal clock</td>
<td></td>
</tr>
<tr>
<td>LCD</td>
<td>Data display</td>
</tr>
<tr>
<td>Impulse output (KWh)</td>
<td></td>
</tr>
</tbody>
</table>
**FUNCTIONAL AND TECHNICAL DATA**

**ME162** is a single-phase meter for residential and small commercial users, for revenue measuring of active power in two wire systems.

**Measuring and registration:** Standard (as a mechanical meter).

Other options:
- Double direction
- Always positive (absolute)

**Accuracy/calibration:** Due to the long-term stability there is no need for recalibration in meters life-time.

**Indications:**
- LED 1 (red): kWh impulses (k=1000 imp/kWh)
- Illuminated: meter is powered, no load current
- Pulsating: load current is higher than starting value
- Not illuminated: meter is not powered

**Communication:** Opto-port (IEC 62056 – 21): for local meter reading and programming.

**Real time clock:**
- 32 kHz quartz oscillator
- The real time clock generates: a tariff program, season changeover, transition to day light saving period and vice-versa.

**Inputs – tariff:** Two tariff inputs for 2-4 tariff energy registration.

**Outputs:**
- SO (DIN 43864) or opto-MOS-relay,
- Option: two separate SO or optomos outputs for bi-directional energy flow direction (kWh-import, kWh-export).

**Local metering data display (LCD):**
- Automatic scroll mode
- Manual scroll (by button)Programmable data set and sequence
- LCD back-light (option)
- Data display on LCD in voltage-free state (option).

**Scroll key:**
- LCD test
- Scrolling data on LCD

**Enclosure:** Polycarbonate, self-extinguishable.

**Protection against water and dust:** IP 53.

**TYPE DESIGNATION FOR ORDERING**

**ME162–D1A41–V22G22–M3K0**

**M** – Electronic meter

**E** – Single-phase meter

**162** – Meter with LCD and internal clock

**D1** – Terminal block for direct connection up to 85 A by DIN 43857

**D3** – Terminal block for direct connection up to 100 A by BS 5685

**A4** – Active energy measurement, accuracy class 1

**A5** – Active energy measurement, accuracy class 2

**1** – Energy measurement in one direction

**2** – Energy measurement in two directions

**4** – Absolute energy measurement

**V12** – 1 tariff input

**V22** – 2 tariff inputs

**G12** – 1 impulse SO output

**G22** – 2 impulse SO outputs

**L11** – 1 OPTOMOS relay, make contact

**L21** – 2 OPTOMOS relays, make contact

**M** – Additional device

**3** – Real time clock with Li-battery

**K0** – Communication interface. Optical interface IEC 62056-21 (IEC 61107)

**Owing to periodical improvements of our products the supplied products can differ in some details from the data stated in the prospectus material.**

Iskraemeco, Energy Measurement and Management
4000 Kranj, Savska loka 4, Slovenia
Telephone: (+386 4) 206 40 00, Telefax: (+386 4) 206 43 76,
http://www.iskraemeco.si, e-mail: info@iskraemeco.si
Published by Iskraemeco. Data subject to alteration without notice.