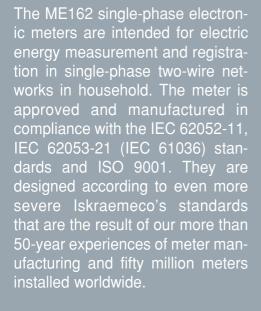


ISKRAEMECO — Energy Measurement and Management

ME162

Single-phase meter









- Active power kWh
- Single or double direction
- Multi-rate registration
- Internal clock
- Data display LCD
- Impulse output (KWh)

- 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

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)

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

LED 1 (red): kWh impulses (k=1000 imp/kWh) Indications:

> **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: S0 (DIN 43864) or opto-MOS-relay.

Option: two separate S0 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 OREDERING

ME162-D1A41-V22G22-M3K0

- Electronic meter

Single-phase meter

162 – Meter with LCD and internal clock

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

Active energy measurement, accuracy class 1

Active energy measurement, accuracy class 2

- Energy measurement in one direction

Energy measurement in two directions

Absolute energy measurement

V12 - 1 tariff input

V22 - 2 tariff inputs

G12 - 1 impulse S0 output

G22 - 2 impulse S0 outputs

L11 - 1 OPTOMOS relay, make contact

L21 - 2 OPTOMOS relays, make contact

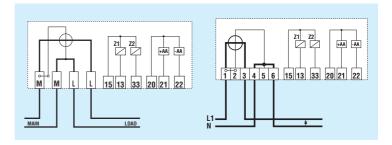
Additional device

- Real time clock with Li-battery

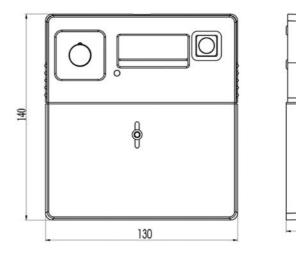
- Communication interface. Optical interface IEC 62056-21 (IEC 61107)

Accuracy class	A
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CONNECTION DIAGRAMS



DIMENSIONS



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

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