

The new Lingg & Janke EZ382-FW three-phase meter allows a detailed analysis of a facility's energy consumption.

The meter has a KNW/EIB interface which also supports the FacilityWeb technology. Apart from directly providing all consumption data via the bus, the meter also allows the internal recording of all consumption data.

Every 15 minutes, the meter is read automatically and the readings are saved internally in a file for one year.

With FacilityWeb, these data can then be displayed at any time with an internet browser, both on site or by remote access.

Features:

- kWh meter 5(105)A 382BC
- kWh meter 5(65)A 382DE
- Measurement in 4 quadrant
- Active positive
- Active negative
- Reactive positive
- Reactive negative
- Measurement in up to 8 tariffs
- Voltage quality measurement
- Safe data logging of consumption
- Safe data logging of events
- Immune to magnetic influence
- Tamper detection
- OBIS identification codes
- Real time clock (RTC)

Kamstrup 382 is a directly connected electricity meter for registration of electric energy. The meter is full electronic without movable parts. Thus, shock and impact during transportation and mounting do not affect energy registration.

Furthermore, measurements are correct, no matter the physical mounting direction. The shunt measuring principle gives good linearity and a considerable dynamic range. The shunt measuring principle is immune against magnetism and DC currents.

The easily readable display scrolls automatically between readings, or readings can be changed manually by the consumer activating a push button. The required display readings as well as their order are configurable.

In addition to being read from the display data can be collected via the optical output or from the module area by means of a suitable communication module.

The unique module area permits external changing of tariffs, pulse input and output, and configuration as well as connection of AMR and AMM modules.

From the factory the meter can be configured to measure both imported and exported energy. As it is constructed with three independent and galvanically separated measuring systems, the meter makes accurate measurements whether it measures on 1, 2, or 3 systems.

The energy registration is saved in the integral datalogger, which ensures good data history with its depth of 36. The meter construction is made so that the measuring accuracy will not be influenced by magnetism.

The modular construction makes it possible to supply the meter fitted with a real time clock (RTC) with battery backup for tariff control and time stamping of data and events.

The tariff control can change between max. 8 tariffs. The internal clock (RTC), on the basis of pre-programmed timetables, can change the tariffs. Summer time/ standard time and holidays can also effect the tariff shifts.

The meter is configurable and can be supplied from the factory with required functions. A minimum of handling during installation is thus secured. Furthermore, the meter can be configured to verification mode among other things, which improves the resolutions of the energy indications, thereby reducing the duration of test and verification.

Application:

Type approved according to:

- Active positive energy
- E N 50470-1 (MID)
- E N 50470-3 (MID)

Active negative energy and reactive energy:

- IEC 62052-11
- IEC 62053-21
- IEC 62053-23