

Kamstrup 351 Combi

3-phase transformer electricity meter and datalogger



Kamstrup 351 Combi with integrated datalogger is prepared for the liberalized electricity market.

Installation and operation are simple and cost-effective. Plug-in modules prepare the meter for future communication solutions.

Specification

Kamstrup 351 Combi

- measures active and reactive energy
- can also be delivered as a pure active meter
- configurable transformer ratio without reverification
- configurable logging interval
- display of true and calibrated energy
- real-time clock
- modular space for future updating

Technical data

MEASURING DATA

- 3-phase, 3 x 230 V
- 3-phase, 3 x 230/400 V
- Active class 1, class 2 reactive
- I_n 5 A
- I_{max} 6 A

CONSTANT OF A METER

- 10,000 imp/kWh
- 10,000 imp/kvarh

S0 PULSE OUTLET

- 5,000 imp/kWh
- 5,000 imp/kvarh

OPTICAL COMMUNICATION

- Reading and configuration
- IEC 61107

PERMANENT MEMORY

- Monthly data is stored for the preceding 36 months
- 5 min. logged data is stored for 12 days
- 15 min. logged data is stored for 40 days
- 30 min. logged data is stored for 80 days
- 60 min. logged data is stored for 160 days

TYPE APPROVALS

- IEC 61036, 2nd edition
- IEC 61268, 1st edition
- TS 27.51 052 (DK)
- S 492 (CH)

Kamstrup 351 Combi display

As standard the meter is supplied with:

- Calibrated active energy
- Calibrated reactive energy*
- True active energy
- True reactive energy*
- Current active power
- Current reactive power*
- Current peak power
- Transformer ratio
- Meter number
- Date
- Time
- Display test
- Tariff 1-4 (true active energy)

Extra displays available

- Accumulated active peak power
- Accumulated reactive peak power*
- Counter, active energy (can be reset)
- Counter, reactive energy (can be reset)
- Hour counter
- Pulse input
- Information register
- SPC-data 1,2
- Call
- Configuration 1,2

Extension possibilities

- GSM
- V.22 Modem
- Radio
- Tariff control module for 2 or 4 tariffs
- CS (current loop)
- RS232
- 1 pulse input e.g. for check meter or tariff control
- Configurable pulse output

*Kamstrup 351 Combi is available both as a pure active meter and as a combined active/reactive meter

Remote reading

It is possible to adapt each individual installation by means of integration modules to achieve the optimal technical and economical AMR solution. Several means of communication are available e.g. RS232 module for connecting a GSM modem (dual band), V.22 modem, which supports A-number and the telemetry function as well as the radio module.

The user-friendly software makes remote reading very simple. The system is self-configuring which makes commissioning of installations at new customers very easy.

The main station is equipped with a Windows 98/2000 user interface. Data can be exported to standard billing systems and statistical programs.




Kamstrup

Kamstrup A/S
Industrivej 28, Stilling . DK-8660 Skanderborg
TEL: +45 89 93 10 00 . FAX: +45 89 93 10 01
E-MAIL: energi@kamstrup.dk . WEB: www.kamstrup.com