

Meter Glossary, Explanations

- **Reactive energy, reactive power**
Reactive energy or reactive power is a form of energy that cannot be utilised and is produced when electricity is transported.
- **Positive reactive energy**
Positive reactive energy is the electricity you as a customer draw from the grid which cannot be utilised.
- **Negative reactive energy**
Negative reactive energy is the non-usable electricity that you as a customer feed into the grid.
- **Breaker button**
This allows you to switch on your meter when it is ready to connect. It is also the display button.
- **Checksum**
The checksum is a security feature that confirms the identity of the software within the electricity meter.
- **Data transmission**
Depending on the selected option, your consumption data are encrypted and transmitted to Wiener Netze once a day or once a year.
- **Display screen**
The scrolling display shows the standard view, the billing view or the opt-out view.
- **Display button**
The display button can be used to scroll between different display menus.
- **Units field**
This field displays the physical unit, e.g. kilowatt hours (kWh).
- **End**
This is the last level you will see on the display screen.
- **Energy type**
This field on the display shows the energy type and the energy flow (e.g. reactive energy or active energy).
- **Energy value**
The energy value represents the amount of energy consumed in kilowatt hours (kWh).
- **Error symbols**
Your meter shows whether an error has occurred. This symbol is used for analysis by the network operator.
- **Error meter status**
The error meter status (OBIS code F.F.(0)) indicates whether the smart meter has experienced an error. In this case, the corresponding error code is displayed.
- **Firmware**
Firmware is software integrated into the meter that enables the functions.
- **Communication display**
While the meter is communicating with the network operator, a telephone receiver icon can appear here (depending on the smart meter vendor).
- **Customer interface**
You can connect a device or system (e.g. your smart home system) to the meter via the customer interface and a suitable read-out adapter.
- **LED/pulse output**
The light emitting diode (LED) indicates the current status of the electricity meter.
- **MId_dAtA**
The abbreviation "MId_dAtA" refers to the meter's extended dataset according to the European Measuring Instruments Directive.
- **Instantaneous power**
Instantaneous power is the power currently being drawn or the power currently being fed into the grid. It is stated in kilowatts (kW).
- **Multifunction triangles**
The illuminated or flashing multifunctional triangles on the display show the current meter mode (e.g. "opt-out"). The functions vary depending on the smart meter model.
- **OBIS code**
The OBIS code is an internationally standardised identifier on the energy market. An example: Code 1.8.0 stands for "Positive active energy (A+) total in kilowatt hours (kWh)". See also the table on page 2.

- Opt-out view, opt-out display

The opt-out display shows you the following values alternately on the screen: the instantaneous power in kilowatts (kW), the positive active energy total in kilowatt hours (kWh) and the error meter status. Furthermore the Text "Opt-Out" is displayed.

- Phase

The phase is a current-carrying line of an electricity network.

- Scrolling display

The values shown on the display change every 5 seconds (standard view, billing view, opt-out view).

- Std-dAtA

The abbreviation "Std_dAtA" refers to the meter's standard dataset.

- Standard view, standard display

The standard display shows you the following values alternately on the display: the instantaneous power in kilowatts (kW), positive active energy (A+) total in kilowatt hours, the fatal error meter status and the negative active energy total (HT+NT) (only for production systems).

- Power consumption/meter reading

The power consumption is displayed in kilowatt hours (kWh).

- Tariffs

This symbol indicates which tariff is currently active. This is relevant for customers with e.g. a heat pump, for which there are high and low tariffs.

- Display test screen

The display test screen shows all symbols that can appear on the screen, enabling you to check they all work properly.

- Active energy (active power)

The active energy is the electricity available to you as a customer. It is stated in kilowatt hours (kWh).

- Positive active energy

Positive active energy is the electricity from the grid you as a customer consume.

- Negative active energy

Negative active energy is the electricity that you as a customer feed into the grid.

- Active power See

Active energy

- Meter status

This field shows you the status of your meter (online, offline, ready for use).

OBIS code	Description
1.6.0	Positive active maximum demand (A+) total in kilowatts (kW)
1.7.0	Instantaneous power in kilowatts (kW)
1.8.0	Positive active energy (A+) total in kilowatt hours (kWh)
1.8.1	Positive active energy (A+) in tariff T1 in kilowatt hours (kWh)
1.8.2	Positive active energy (A+) in tariff T2 in kilowatt hours (kWh)
3.8.0	Positive reactive energy (Q+) total in kilovolt-ampere reactive hours (kVARh)
F.F(.0)	Error meter status

For feeders, the meter also displays the following information:

OBIS code	Description
2.6.0	Negative active maximum demand (A-) total in kilowatts (kW)
2.8.0	Negative active energy (A-) total in kilowatt hours (kWh)
2.8.1	Negative active energy (A-) in tariff T1 in kilowatt hours (kWh)
2.8.2	Negative active energy (A-) in tariff T2 in kilowatt hours (kWh)
4.8.0	Negative reactive energy (Q-) total in kilovolt-ampere reactive hours (kVARh)