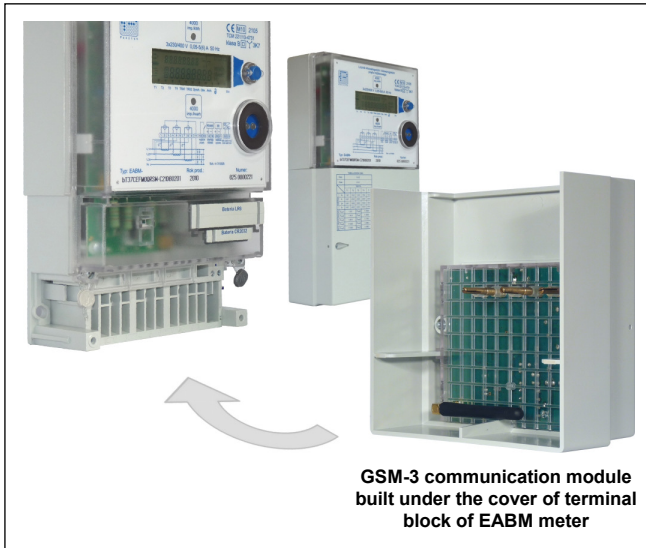




## GSM-3

### Communication module for 3-phase electricity meter type EABM working in SMS mode



#### Application

**GSM-3 communication module** is smart communication device designed for remote data transmission in both directions for EABM electricity meter. GSM-3 is considered as a specially designed compact module for installing under the cover of terminal block.

The module may be installed in the meter at any time of its operation without necessity of removing its seals.

Communication between GSM-3 module and electricity meter is performed using wireless optical interface.

GSM-3 module works in standard GSM network. All billing data is sent from the meter as an SMS text message which gives possibility of: (Figure 1)

- reading of metering data using mobile phone,
- reading and remote controlling by SKADEN or "Automatyczny Inkasent" systems.

#### GSM-3 functions

GSM-3 communication module allows remote reading of billing data and remote controlling of other measuring functions.

Controlling and data reading with GSM-3 may be performed using SKADEN or "Automatyczny Inkasent" software.

Configuration of the module is performed by „Konfigurator modułów GSM” software supplied with the device.

For configuration and programming of GSM-3 it is necessary to:

- enter PIN code of the SIM-card to activate GSM network,
- program into the module cell phone numbers, to which metering data will be transmitted from EABM electricity meter via communication module GSM-3.

GSM-3 communication module may be configured for remote data reading using following modes:

- Readout on demand  
or
- Automatic readout according to predefined schedule

Above mentioned readings may contain:

- serial number of electricity meter used for data readout,
- date and time of data readout,
- state of energy registers,
- information about events such as voltage dips or acting at the meter with strong magnetic field.

GSM-3 communication module gives possibility of remote controlling of tariffs.

*Note: GSM-3 module allows communication within GSM network of chosen operator.*

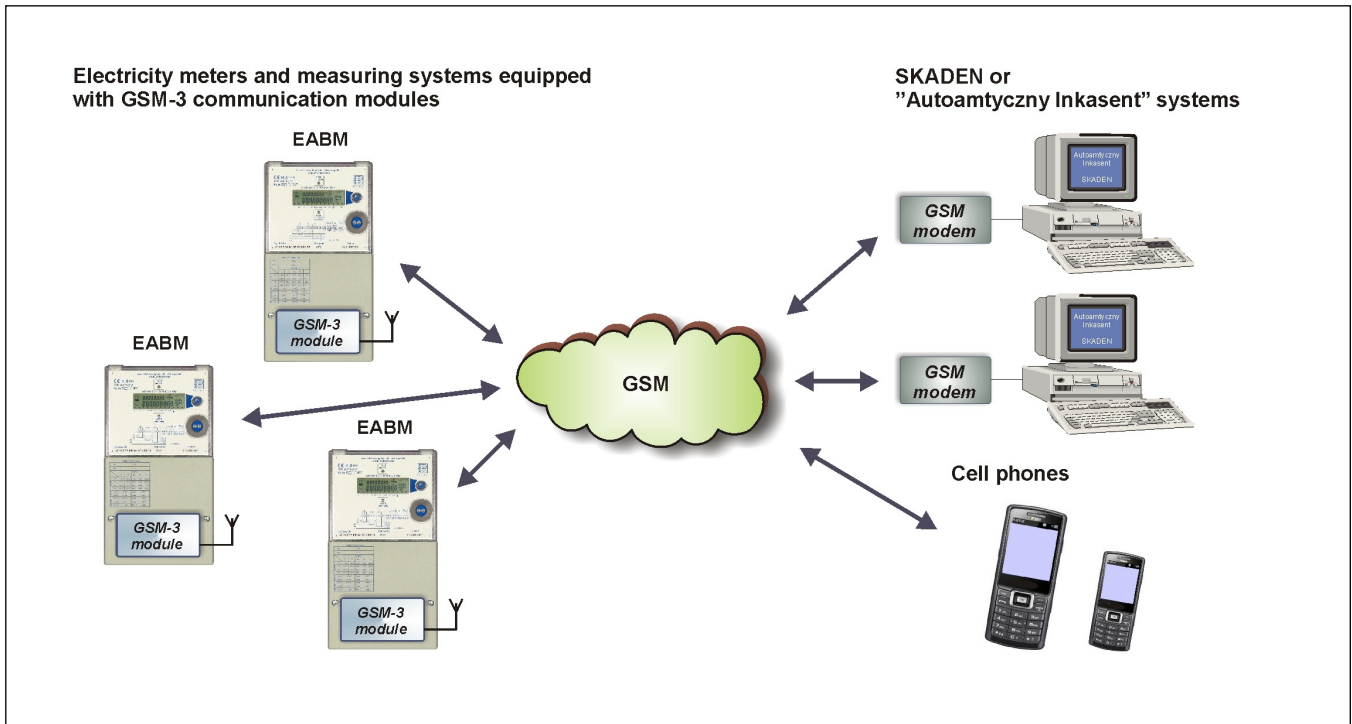


Figure 1. Schematic of data transmission from EABM electricity meters equipped with GSM-3 communication module.

### GSM-3 technical data

	GSM-3 for EABM electricity meter
Voltage	3 x 80 V AC ÷ 3 x 460 V AC
Frequency	50 Hz
Maximum current consumption	50 mA (per phase)
GSM standards	E-GSM 900, DCS 1800
Emission	Class 4 (2 W) – E-GSM 900 Class 1 (1 W) – DCS 1800
SIM cards	1,8 V and 3 V
Electromagnetic compatibility	PN-EN 55024:2000, PN-EN 55022:2006
Configuration interfaces	USB 2.0 (mini-B socket)
Operating temperature range	- 30 °C ÷ + 60 °C
Dimensions (with cover of the terminal block)	162 x 158 x 73 mm [width/height/depth]
Weight (with cover of the terminal block)	~ 0,38 kg

GSM-3 communication module is supplied with cover of the terminal block.

ALL FEATURES ARE SUBJECT TO CHANGE WITHOUT NOTICE ACCORDING TO PRODUCTS IMPROVEMENTS.