CASON

INTELLIGENT NETWORK ENERGY SOLUTIONS™

DW 256 GL

DATA COLLECTION AND COMMUNICATION DEVICE

The DW 256 GL is a device developed basically for the collection of impulse based consumption data of quantity measuring devices and remote data communication. The device processes the signals of gas consumption measuring devices (plate-casing, membrane, rotary piston, turbine-driven) and the sensors connected to them.
The device has individual power supply, which ensures a high level of autonomy and multiple years of operation without maintenance. The consumption data are read automatically from the field measuring instruments by the device; they are stored in its memory, and then transmitted to the central database through a GPRS communication channel.

MAIN PROPERTIES

- IP design
- Quick and efficient installation
- Individual power supply
- Automatic data collection
- Maintenance-free operation
- Redundant GPRS communication
- Remote (on the air) firmware update
- Use of the open industry standard MQTT protocol

CHARACTERISTICS

- 2 impulse inputs for the connection of gas-meters
- 2 impulse outputs
- Up to 12 months of measurement data storage capacity
- Tamper detection
- Internal battery unit with 19 Ah capacity
- Up to over 5 years of battery service life
- Parameterizable software
- Internal and external antenna connection options

WHERE CAN IT BE USED?

Typically at the endpoints of natural gas networks, from where the measured consumption data are sent to the consumer monitoring system using a highly reliable data transfer connection.

The device provides an optimal solution for the reading of the data of measuring devices at places where no network power supply is available.

The device is equipped with impulse outputs, which can be connected into the DCS system of the user.

INSTALLATION

The device is equipped with IP66 protection: it can be installed both indoors and outdoors.

Typical application: outdoors, in the vicinity of the measuring device, with a wall-mounted design.

The connection of the gas-meter is performed using a short cable with a connector specific to the measuring device. Different specific sensors are required for individual gas-meters with a plate casing.

OPERATION

The reed-relay and other sensors relaying impulse signals provide the data to the device.

The device is capable of receiving impulse signals of gas consumption measuring devices (plate-casing, membrane, rotary piston, turbine-driven).

The impulses provided by the measuring devices are proportional to the gas quantity.

The meter reading defined by adding the impulses together is sent to the central database at defined intervals.

The data are stored in the memory of the device.

COMMISSIONING

The device can easily be commissioned in possession of proper training.

The device can be turned on using the jumper located under the cover. When the appropriate position of the jumper is set, the device turns on automatically.

The power-on state is confirmed by a status LED.

The counting of impulses is performed by activating the toggle switch.

Before commissioning, the parameters of communication can be set using the parameterizable software.

The data is sent by the device to the central database in accordance with the frequency of communication set.

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