



Autonomous fluid flowmeter AROR is designed for continuous measurement of fluid flow, calculation of the total volume, accumulation of information about the measured volume during the hour, day, month in the nonvolatile memory.

Works in together with a variable differential pressure flowmeters with a standard diaphragm.

The presence of a built-in real time clock allows to obtain statistical information about the flow rate with reference to astronomical time.

Power supply of flowmeter is supplied from the built-in 3.6 V lithium battery with a capacity of 7.2 Ah, which ensures autonomous operation of the device for at least 1 year. After battery discharge, the flow counting stops, but all accumulated information, including battery failure time, is stored in non-volatile memory and can be read after replacing battery.

Flowmeter is made in housing of "Sapphire-22DD" measuring converter of pressure difference. External electrical connections are not required.

Reading data from the flowmeter is performed via the remote control. The remote control is supplied with the flowmeter.

The flowmeter has a built-in indicator and a keyboard, used for setting, calibration, and flow control. In addition, the user has access to the zero adjustment.

As a device that reads and transmits information about the measured fluid consumption to the accounting systems, it is recommended to use the remote data transfer device UDPD.

SPECIFICATION

- Range of measured differential pressure, kPa..... 0..16
- Reduced error in measuring differential pressure, %, up to $\pm 0,25$
- Relative error in flow measurement, %, up to:
 - in range of consumption from 50% to 100% ± 1
 - in range of consumption from 25% to 50% ± 2
- Data archive capacity, number of records:
 - hourly 1000
 - daily 100
 - emergency..... 200
- Operating temperature range of the logger..... $-10^{\circ}\text{C} \dots +60^{\circ}\text{C}$
- Operating temperature range of the liquid being measured..... $0^{\circ}\text{C} \dots +40^{\circ}\text{C}$
- Dust and moisture protection..... IP54

INSTALLATION REQUIREMENTS

The electronic unit of the flowmeter ensures stable operation at temperatures down to -10°C , however, during installation it is necessary to exclude the possibility of freezing of liquid in pulse tubes or in the measuring chamber of the flowmeter.

ORDER IDENTIFICATION

Autonomous fluid flowmeter **AROR**.