

UNIFLO 1000

COST EFFECTIVE TEMPERATURE GAS CONVERSION DEVICE



*High accuracy
Economical solution
Long battery lifetime - 15 years
Prepared for remote reading with data output
Easy to mount*

Temperature conversion matters – also on low pressure

Flonidan DC presents a new gas conversion device, which suits the demand for economical measurement without compromising quality and accuracy.

The conversion device is small and fits easily on diaphragm meters as well on rotary- and turbine meters. It is also possible to use it mounted on the wall.

Flonidan DC can deliver all kinds of solutions combining temperature sensor and sensor pocket to fit your requirements exactly.

We comply with European standards

Uniflo 1000 applies to all relevant European standards which means EN 12405 and MID on metrology and the ATEX directive to ensure explosion proof requirements.

Uniflo 1000 perfectly suits for installations which require stable, reliable and economic efficient temperature conversion.

TECHNICAL SPECIFICATIONS



Specifications:

Gas temperature:

-25... +55°C

Ambient temperature:

-25... +55°C

Pulse input:

One digital LF-input $f < 1,5$ Hz. Wigand pulses also possible.

Temperature sensor:

NPT-resistor type. Calibrated together with the electronic device. Certificate included with the device.

Sensor dimensions:

Order no.	Dimension
0618000-001	Ø5x50 mm
0618000-002	Ø4x50 mm

Other on request.

Pressure range:

0 - 500 mbar G (1-1,5 bar A). Fixed factor input.

Data log:

20 monthly loggings of converted volume including time stamp.

Alarm log:

5 different alarms including time stamp and total converted volume.

Max flow log:

The 5 last registered max flow values including time stamp.

Compressibility calculation:


SGERG-88 or fixed factor.

Configuration software:

Very user friendly PC program to parameterize and read out of data log.

Approvals:

Type approved according to:

- EN 12405, MID, OIML D11
- ATEX classification:
EEx ib[ia] IIB T4 CE 0539  II2(1)G
Ta: -25... +55°C DEMKO ATEX 136490X

Approvals performed by notified body.

Outputs:

Pulse output:

2 pulse outputs. Can be selected to V_D or V_m or alarm by use of setup software.

Pulse length: 125 msec.

1 l - 100 m³ per pulse.

Serial output:

Cable for RS-232 compatible connection can be delivered. Described protocol can be delivered on request.

Accuracy:

Temperature measurement:

+/- 0,25°C

Conversion factor:

+/- 0,25% of reading.

Enclosure:

IP65

Size (height/length/width in mm):

80/115/35

Battery lifetime:

15 years, calculated 18 years. Battery change without broken sealing.

Company profile

Flonidan DC is a knowledge based company leading the way in the field of regulation, metering and collecting data and utilities. During the years the company has positioned itself as a leading supplier of components and complete systems.

We develop, manufacture and supply products and systems.

Flonidan DC was founded in 1982 and Co-owner is the AVK-group which today has 1.500 employees and world-wide distribution of complementary products.

Flonidan has been ISO 9001 certified since 1992.

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