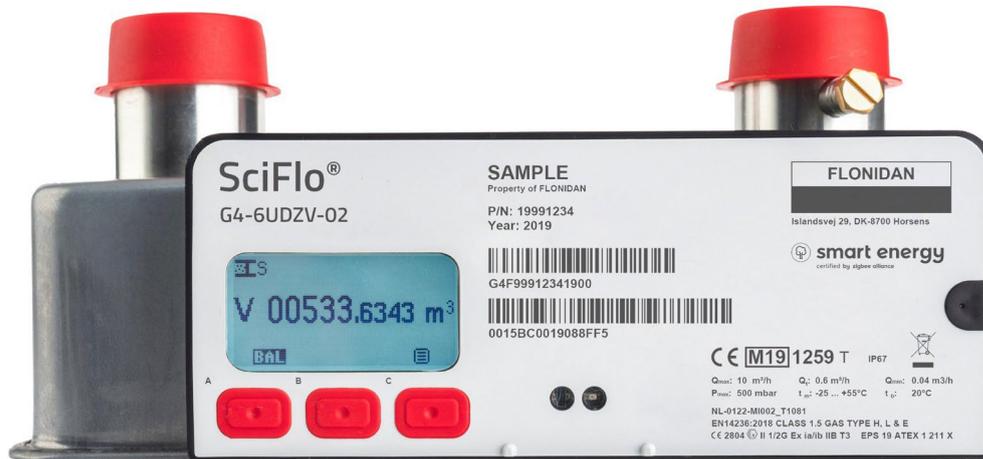


# SciFlo® Smart Gas meter



## Application

SciFlo® is a compact static gas meter based on the ultrasonic measuring principle. SciFlo® is intended for volume measurement in residential buildings where gas is used as energy source. Volume is measured using bidirectional ultrasound, based on the time-of-flight method.

SciFlo® is encased in a nonpainted low-weight steel housing and is operated via 1 or 3 push buttons. A large backlit graphical display ensures easy reading.

## Main Features

- G4/G6 in one meter
- Patented ultrasound sensors
- Non-painted Steel Housing
- Very compact and low-weight
- IP67
- Built-in valve for remotely closing and safe opening of gas flow
- Both credit and prepayment mode
- Exchangeable battery

## Smart Configuration

- Optional wM-Bus (868 MHz) EN13757
- Optional NB-IoT (LwM2M)
- Optional LoRaWAN
- Optional ZigBee (2.4GHz/868 MHz) GBCS
- AES & ECC security
- Datalogging of readings, alarms and events
- Firmware Upgrade Over The Air (OTA)

## Specifications

Model	Qmax M <sup>3</sup> /h	Qmin M3/h	Pmax <sup>1)</sup> bar	ΔP mbar
SciFlo®	10	0.04	0,5	< 2

1) Operational pressure for valve: 0,2 bar

## Battery lifetime

1 x D-Cell	NB-IoT/LoRaWan	~ 10 years
1 x D-Cell	Radio - wM-Bus	~ 20 years
1 x D-Cell	ZigBee RF	~ 15 years

## Temperature Range

T<sub>amb</sub>: -25...+55°C      T<sub>gas</sub>: -25...+55°C      T<sub>storage</sub>: -30...+60°C

## Display

Graphical display, menu driven, 9 digits Resolutions:  
0, 3 or 4 decimals

## Conformity with

Directive 2014/32/EU (MID)/2014/34/EU (ATEX)

EN14236:2018

EN16314:2013 (integrated valve)

SMET 2 (UK)

OIML D11 (EMC) (electronic index)

OMS 4.02

ZigBee SEP 1.4

## Approvals

**MID**

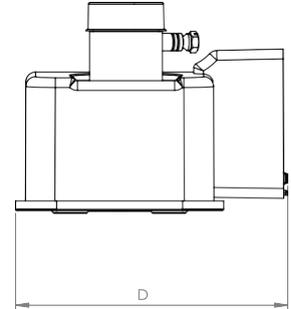
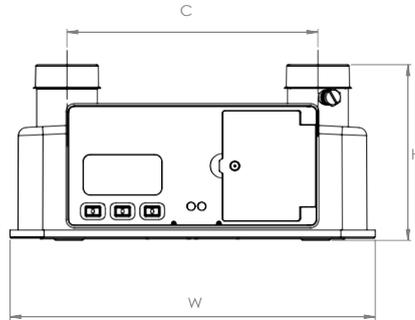
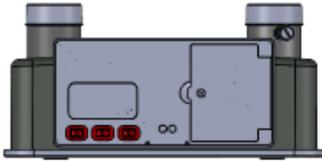
**ATEX**



II 3G Ex IC IIA T3 Gc

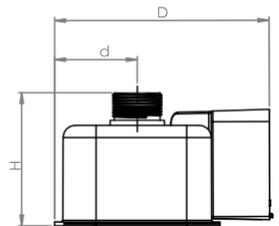
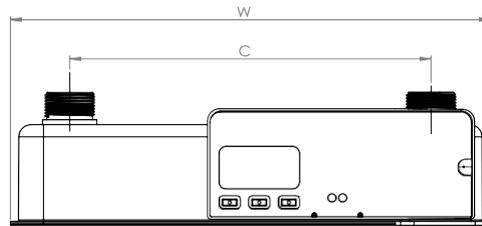
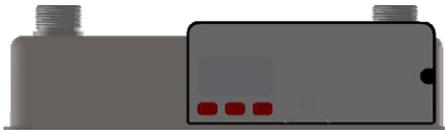
## Mechanical connections

### Two-pipe, 6 inch



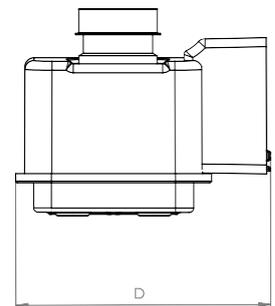
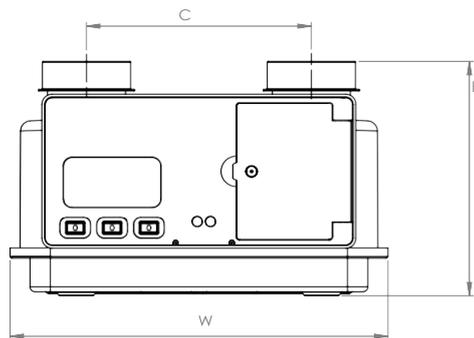
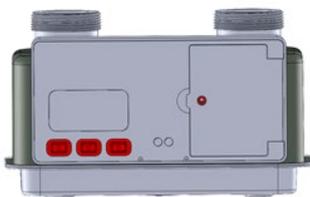
Model	W (mm)	C (mm)	D (mm)	d (mm)	H (mm)	Connections
SciFlo®	224	152,4	135	51	103	BS1"

### Two-pipe, 220 mm



Model	W (mm)	C (mm)	D (mm)	d (mm)	H (mm)	Connections
SciFlo®	295	220	135	53	80	GM3/4"

### Two-pipe, 110 mm



Model	W (mm)	C (mm)	D (mm)	d (mm)	H (mm)	Connections
SciFlo®	185	110	145	65	116	G5/4"