

# UniFlo<sup>®</sup> Smart Gas Meter

G10-U16  
NON-DOMESTIC

## APPLICATION

This highly advanced Smart Gas Meter is characterized by a high level of functionality, low power consumption, excellent reliability and quick and easy installation and commissioning.

It offers all the features of a true smart G-meter and fulfils the latest version of SMETS2.

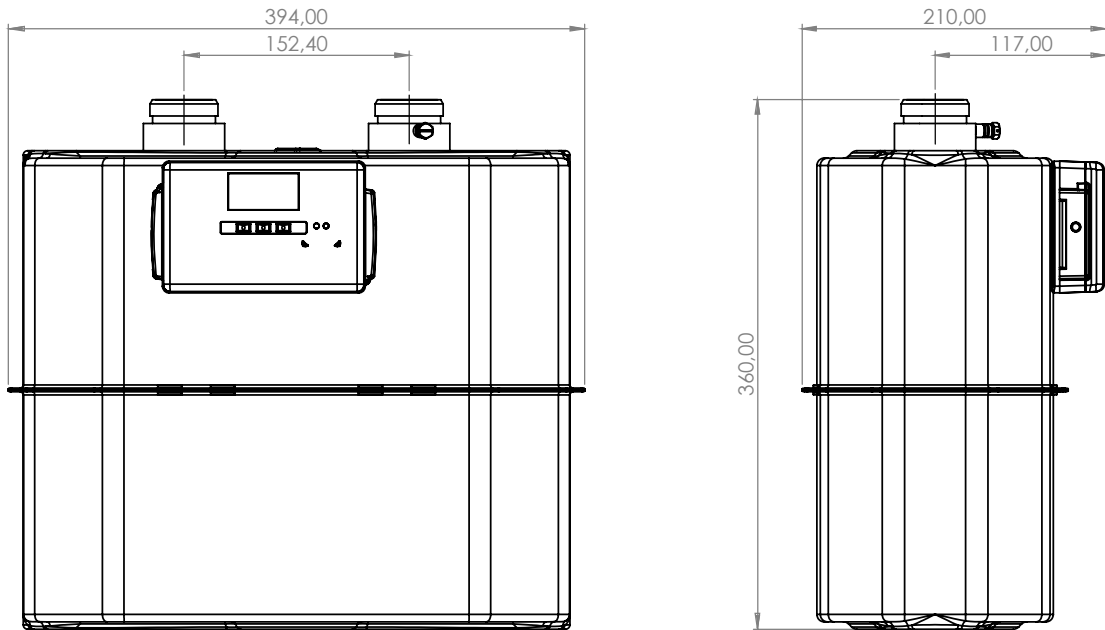
## MAIN FEATURES

- Reliable and tamper safe optical detection of measuring unit with “Gray-Code”
- Excellent accuracy, using error curve correction
- Calculated battery lifetime of min. 15 years
- Backlight display, with menu function
- 3 button interface
- Optical interface (IEC 62056-21) for local maintenance (disabled while in the field)
- ATEX approved for zone 0/1
- For use with gasses of 1st, 2nd and 3rd families

## SMART FUNCTIONALITIES

- Secure AMR, using AES & ECC encryption
- Datalogging of readings, alarms and events
- Time of use(TOU) registration with up to 4 tariffs
- Block tariff registration supported with up to 4 rates
- Integrated ZigBee radio, 2.4GHz/868MHz, Dual band (G10SDZ-2)
- Communication protocol acc. to ZigBee Smart Energy Profile (SEP 1.4), offering full exchangeability
- Firmware Upgrade Over The Air (OTA)

## Dimensions



## Specifications

Model	Q <sub>max</sub> m <sup>3</sup> /h	Q <sub>min</sub> m <sup>3</sup> /h	Q <sub>start</sub> dm <sup>3</sup> /h	P <sub>max</sub> <sup>1)</sup> bar	ΔP <sup>1)</sup> mbar	V <sub>cyc</sub> dm <sup>3</sup>
UniFlo G10	16	0.1	13	0,5	<2	5.6

1) Air at Q<sub>max</sub>

### Battery Lifetime

Min. 15 years of normal operation

### Temperature Range

T<sub>amb</sub>: -25...+55°C

T<sub>stor</sub>: -30...+60°C

T<sub>gas</sub>: -25...+55°C

RH: <93%, condensing

### Thread

BS 5/4

### Display

Graphical display, fixed, 9 digits

3 button user interface

Resolution: 3 decimals

Max reading: 999999.999 m<sup>3</sup>

### Enclosure

IP 54

### Weight

6,8 kg

### Approvals

MID: DK-0200-MI002-013

CPA: Pending

ATEX:  II 1/2G Ex ia/ib IIB T3

EPS 19 ATEX 1 124 X

### Conformity with

OIML - R137

EN1359:1998 + A1:2006

SMETS2(UK)

BS EN 61010 Electrical Safety