WOIMA-TUOTANTO OY

GAER® ULTRASONIC METER GMU 500 GEN.3

AM-C2-002

The Gaer® ultrasonic meter GMU 500 Gen.3 is a robust design meter with ultrasonic double beam measurement technology that provides high precision measurement. Gaer® GMU 500 Gen.3 meters have no moving parts in contact with the water, are maintenance-free and very reliable, maintaining their accuracy throughout their useful life.

This range of meters, with their pulse interface, provides new possibilities for the integration of flow and volume measurement data in different applications configured by the user.

TECHNICAL FEATURES

- **Available diameters:**: DN50, 65, 80, 100, 125, 150 y 200.
- **Maximum allowable pressure:** 16 bar.
- **Temperature class** : T50.
- **Flow profile sensitivity:** U0D0.
- **Precision class:** 2.
- **Installation position**: horizontal or vertical.
- Bidirectional measurement
- No moving parts in contact with the water.
- Connection by ISO PN16 flanges.
- Manufactured in cast iron with epoxy resin coating.
- Very robust design. Submersible IP68.
- **Battery powered:** 16 years of useful life.
- **Classification for external disturbances**: Electromagnetic environment class E1.
- Mechanical classification M1.
- **Environmental class** C.
- **Certifications**: MID 2014/32/CE (based on OIML R49:2013, ISO 4064:2014, EN 14154:2005).

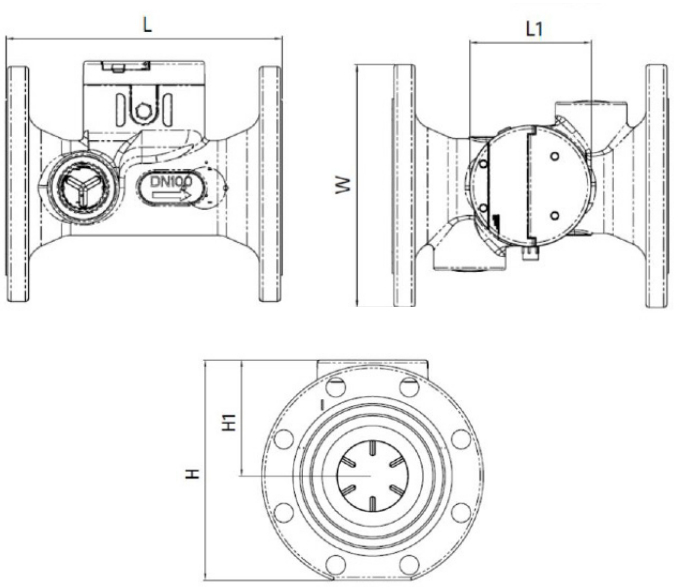
ACCESSORIES

- Pulse cable M12.

COMMUNICATION

- **Common:** blue cable (negative pin of the remote controller).
- **Pulses:** white cable (positive pin of the remote controller).
- **Direction of flow:** black cable.
  - **Open contact:** positive flow.
  - **Closed contact:** backflow.
- Standard pulse configuration (factory set):
  - **DN50 - DN65:** 1p/100l; 500ms.
  - **≥ DN80:** 1p/1m³; 500 ms.

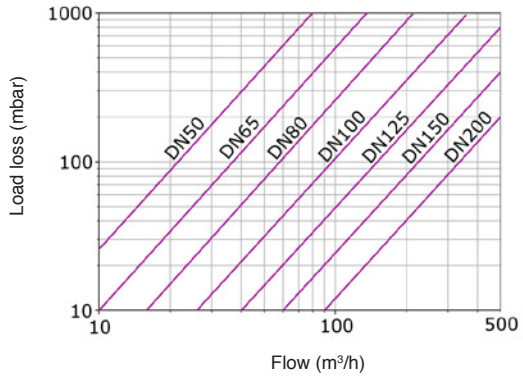
DIMENSIONS

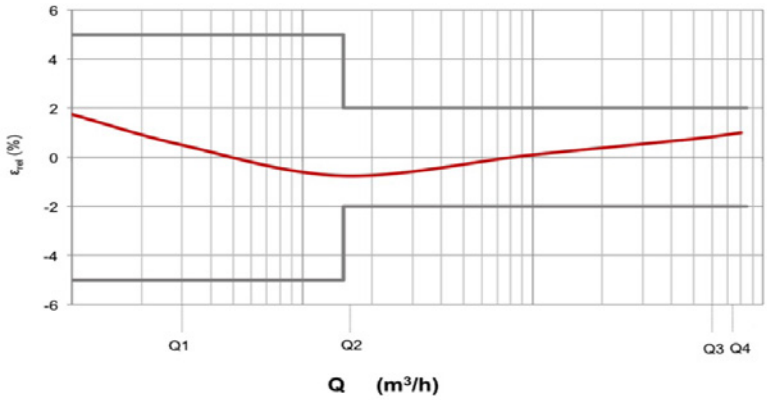


DN	50	65	80	100	125	150	200
Type of flange	ANSI/ ISO/BSI	ISO	ANSI/ ISO/BSI	ANSI/ ISO/BSI	ISO	ANSI/ ISO/BSI	ISO
Total length L (mm)	200	200	225	250	250	300	350
Height (H1) (mm)	97	103	108	115	127	134	152
Total height (H) (mm)	182.5	198.5	215.5	233.5	259.5	275.5	312
Width (C) (mm)	174	188	203	218	242	262	340
Length cover (L1) (mm)	110	110	110	110	110	110	110
Weight (Kg)	10	12	13	15	18	25	36

Woima-Tuotanto Oy | Niemeläntie 1 A, 20780 Kaarina | www.woimatuotanto.fi | woimatuotanto@woimatuotanto.fi

LOAD LOSS AND PERFORMANCE DATA

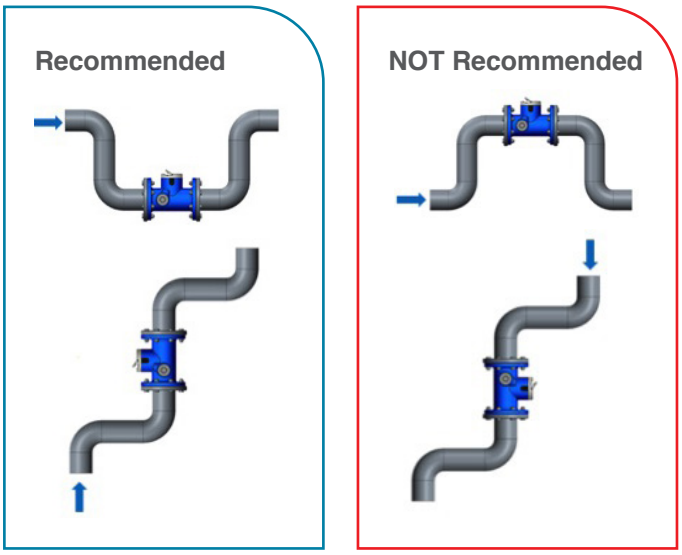




Diameter	DN	mm	50	65	80	100	125	150	200
Overload flow	Q4	m³/h	50	80	80	125	200	313	500
Permanent flow	Q3	m³/h	**40**	**63**	**63**	**100**	**150**	**250**	**400**
Transition flow	Q2	l/h	130	200	200	320	500	800	1280
Minimum flow	Q1	l/h	80	130	130	200	300	500	800
Initial flow		l/h	20	35	35	50	65	125	200
Ratio	Q3/Q1		500	500	500	500	500	500	500

INSTALLATION RECOMMENDATIONS

- Keep the meter full of water.
- When vertically installed, the water flow should be upwards.



C/Garbí, 3 · Pol. Ind. Can Volart · 08150 Parets del Vallès (Barcelona) · +34 935 737 400

V. JUL2019