

DOMA

Miniature Magnetic Flowmeter



OVERVIEW

Operation

The Bass Instruments DOMA series compact induction flow meter is designed for exact measurement of various fluids during the batching process, namely their lower amounts with a very high accuracy and repeatability of 0.1%. Possible applications are such as filling bottles, cups and pots with dairy products or with other products intended for sale.

Features

- Simple installation
- High accuracy
- No pressure loss
- Wide turndown ratio
- Robust design
- High response time and repeatability

Application

- Chemical Industry
- Mechanical Engineering
- Agriculture
- Mineral Processing
- Water treatment



OPERATING DATA

Working Pressure

100 bar max.

Temperature Limit

-40°C...90°C

Accuracy

±0,5% , ±0.1% on request

Repeatability

±0,1%

Minimum Conductivity

20µS/cm

Enclosure

IP65 / IP67 / IP68 (as optional)

MEASURING RANGES

Measuring (Qmin/Qmax)

Unidirectional/bidirectional for 0.2...12 m/s (1/60)

MATERIALS

Wetted Parts

Stainless steel

Electrode

CrNi steel DIN 1.4571, hastelloy C4, Titanium, tantalum

ELECTRICAL DATA

Analog Output

4-20 mA

Power Supply

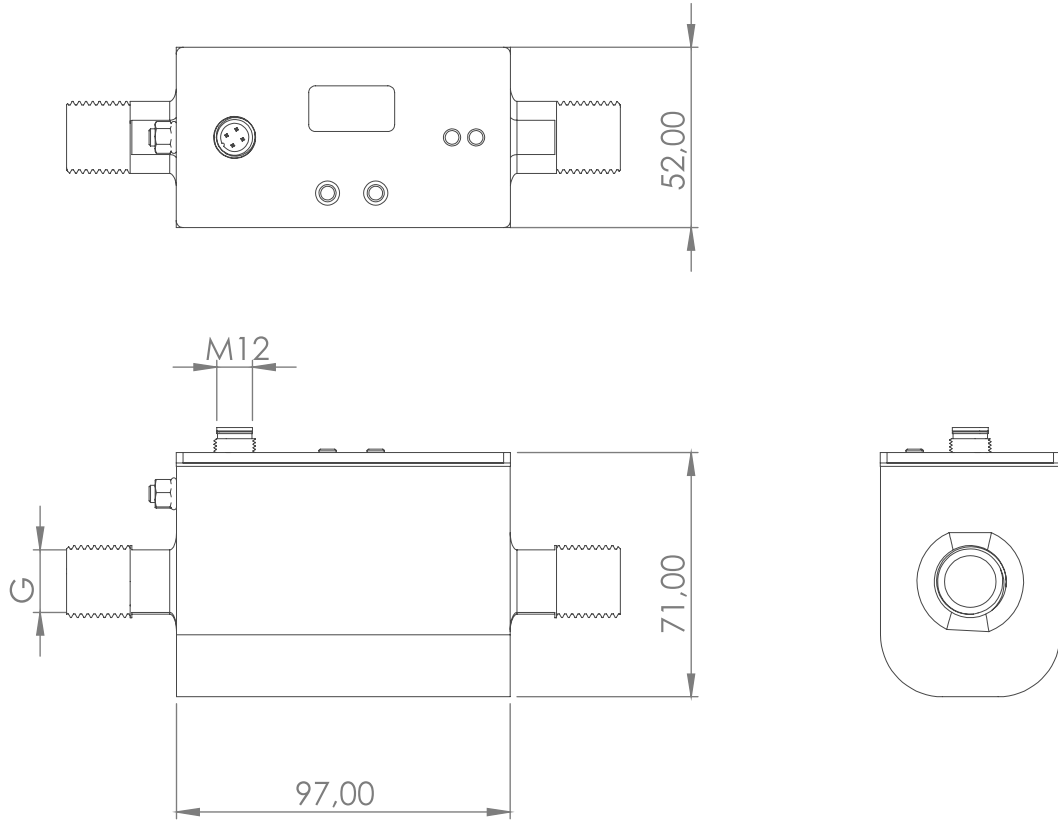
24 VDC

Communication

Bluetooth



TECHNICAL DRAWING AND DIMENSIONS



Code	Diameter Nominal (mm)	Qmin (m³/h)	Qmax (m³/h)
		1/60 (0,2 m/s)	12 m/s
004	DN4	0,01	0,5
006	DN6	0,02	1,2
008	DN8	0,04	2,2
010	DN10	0,06	3,4
015	DN15	0,13	7,6
020	DN20	0,24	14,2
025	DN25	0,35	21
032	DN32	0,58	34,7
040	DN40	0,9	54
050	DN50	1,4	85



ORDERING

Model	
DOMA	Miniature Magnetic Flowmeter

Diameter Nominal	
XXX	Please look at the dimensions tables

Connection	
W	Wafer
T	Threaded
C	Clamp

Electrodes	
SS	Stainless steel
C4	Hastelloy C4
TI	Titanium
TA	Tantalum

Output	
1	Pulse
2	Pulse + 4-20mA

Enclosure	
65	IP65
67	IP67
68	IP68

