



Badger Meter Europa

# Oval gear meters Type MN10

## for industrial fluids

### General

The volumetric meters of the MN-series are working on the oval gear measurement principle and are deally suited for flow measurement of mechanically pure fluids within a large viscosity range. Their simple design makes maintenance on site easy. Only two rotative parts are in contact with the fluid.

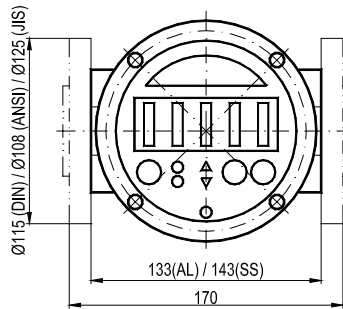
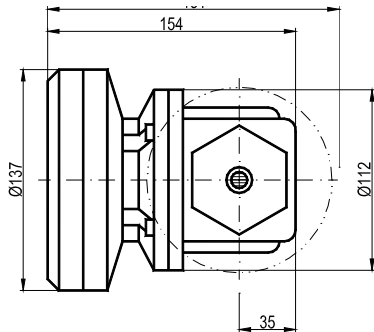


MN10 with electronic display

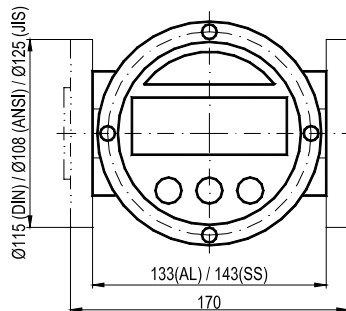
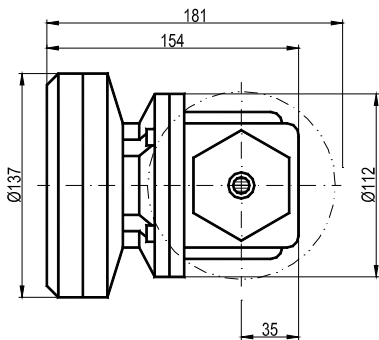


MN10 with mechanical display

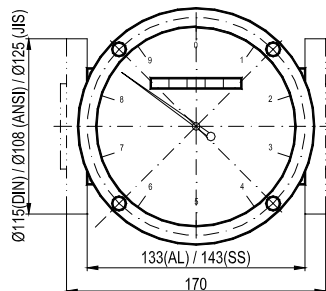
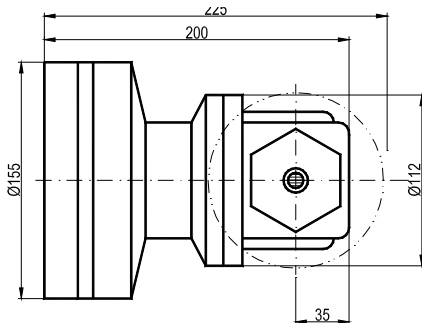
MN10 deluxe LC display



MN10 LC standard display

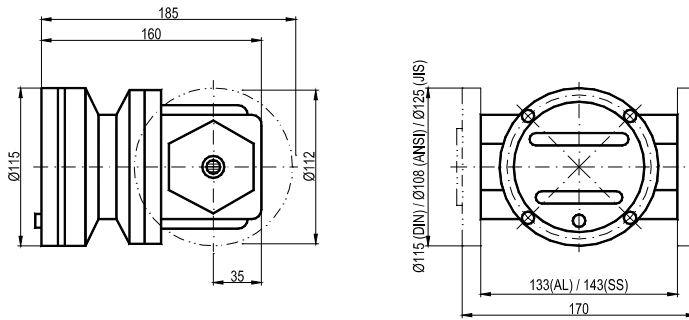


MN10 mechanical display analogue

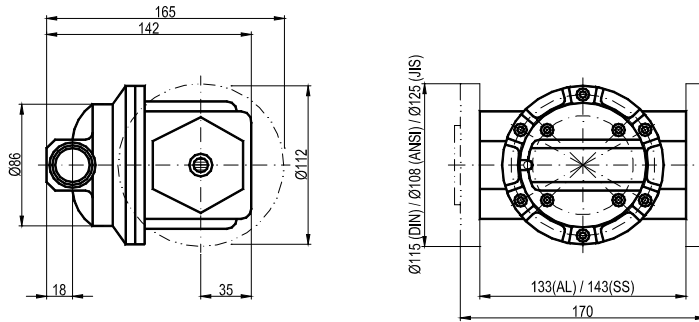


MN10 Eex-i

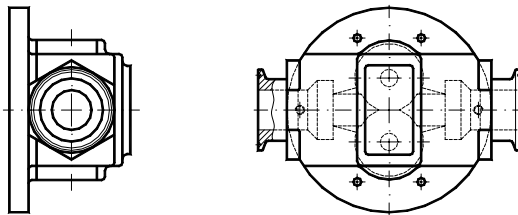
### MN10 mechanical display



### MN10 pulse meter



### MN10 tri clamp



This model is available with either aluminium, bronze or stainless steel housing. Mechanical as well as electronic registers, ex-proof, can be mounted upon request. The maximum operating pressure for the type MN 10 is 55 bars.

### Technical data

Type	MN10		
Model	with pulse transmitter	with electronic display	with mechanical display
Size	DN 25		
Flow range	under 5 mPas: 600 – 6000 l/h over 5 mPas: 360 – 7200 l/h		
Accuracy	±0,5% of value		±1% of value
Repeatability	0,03%		
Max. viscosity	1000 mPas*		
Max. pressure	16/55 bars	16/55 bars	16/34 bars
Max. temperature	80°C / 120°C		
Pulse rate	36 or 72 PPL		---
Pulse transmitter	Reedswitch		
Recommended filter unit	0,1 mm		
Register	none	electronic	mechanical**
Process connections	BSP / NPT R 1" / DN 25 / ANSI 1" / Triclamp		
Housing material	Alu/316 SS/Bronze		
Oval gear material	PPS/316 SS		
Option	Pulse transmitter / hall effect sensor or combined Standard LCD display / Option with EEX-i Deluxe LCD preset meter / Option with EEx-i		

\*With special oval gears up to 1.000.000 mPas

\*\*No pulse transmitter in connection with mechanical register