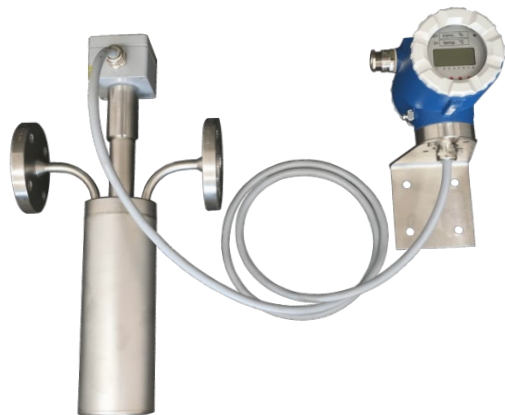


## MAIN CHARACTERISTICS

Product Type:	Density meter based on the oscillating U-tube principle with T.. Transmitter, W.. Wall mounting with 1.5 m cable
Application:	Density- and concentration measurement of liquids
Measuring accuracy:	up to $\pm 0.02\%$ ( $\pm 0.2 \text{ kg/m}^3$ ) of measured value
Ex-approval:	Zone 1
Process temperature:	$-40^\circ\text{C}$ up to $150^\circ\text{C}$ (optional up to $210^\circ\text{C}$ )
Process pressure:	up to 100 bar (160 bar on request)
Housing material:	stainless steel (1.4571), electronics: Aluminium painted
Wetted parts:	stainless steel, Hastelloy, Tantalum, Inconel, Monel, others on request
Power supply:	24 VDC (min. 14 / max. 30 VDC)
Output / Display:	4-20 mA / LCD-Display, 2-lines
Process connection:	Flange acc. to DIN or ANSI
Special features:	Instrument version without seals, illustration of complex or confidential media via interpolation point table



## MEASURING RANGE

Flow rate	1.5 – 50 l/min
Density range	400 up to 3000 kg/m <sup>3</sup>
Calibration range	400 up to 1450 kg/m <sup>3</sup>
Repeatability	$\pm 0.005\%$ ( $\pm 0.05 \text{ kg/m}^3$ )

When installing in the By-Pass, make sure that there is sufficient flow in the instrument so that the liquid sample in the instrument updates quickly enough (recommended approx. 1.5 l/min).

## PROCESS CONNECTION

Flange DN 15 PN 40 (DIN 2545), DN 25 PN 100 (DIN2547)  
ANSI 150 (1/2"), ANSI 300 (1/2"), ANSI 600 (1/2")

## OUTPUT SIGNALS

Connection: in 2-wire technology

4-20 mA for operating density, reference density (temperature corrected to reference temperature  $15^\circ\text{C}$  or  $20^\circ\text{C}$ ) or concentration (% mass, % volume, Brix, Bé ....)

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## EXAMPLES OF APPLICATION

- Direct operating density of reference density measurement of non-corrosive liquids (incl. liquefied gases)
- Concentration measurement of 2 substance mixtures

Further information and product variants are available on request