



## MAIN CHARACTERISTICS

Product Type:	Density meter based on the oscillating U-tube principle with T.. Transmitter
Application:	Density and concentration measurement of liquids
Measuring accuracy:	up to $\pm 0.01$ % ( $\pm 0.1$ kg/m <sup>3</sup> ) of measured value
Ex-approval:	Zone 1
Process temperature:	-40°C up to 100°C
Process pressure:	up to max. 100 bar depending on process connection
Housing material:	stainless steel (1.4571)
Wetted parts:	Special alloy of NiFeCr (tuning fork), stainless steel (connections)
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 support point table

## MEASURING RANGE

Flow rate	0.3 – 10 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	$\pm 0.005$ % ( $\pm 0.05$ kg/m <sup>3</sup> )

When installing in the bypass, ensure that there is sufficient flow in the unit so that the liquid sample in the unit is updated quickly enough (recommended approx. 0.3 l/min or approx. 0.01 bar differential pressure).

## PROCESS CONNECTION

G ¼ acc. to ISO 228

Flange DN 10 PN 40 (DIN 2545), DN 10 PN 100 (DIN2547)

ANSI 150 (½"), ANSI 300 (½"), ANSI 600 (½")

## OUTPUT SIGNALS

Connection: in 2-wire technology

4-20 mA for operating density, reference density (temperature corrected to reference temperature 15°C or 20°C) or concentration (% mass, % volume, Brix, Bé ....)

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## EXAMPLES OF APPLICATION

- direct operating density or 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