Very simple, very small, but smart

Vibrating tube density sensor Type DIMF-Compact

Designed for use in medical technology, machinery and equipment as well as laboratory applications

- **Direct measurement of the density**
- **Derivative of a concentration in vol% or Ma% at 2-component mixtures**
- **Innovative concept**
- **Robust design**
- **Highly reliable**

Measuring Principle

The density meters DIMF-Compact work on the vibrating tube measuring principle, which has proven successful in different series of Bopp & Reuther Messtechnik GmbH since the 70's on the market.

These reliable meters are designed for continuous determination of density or concentration.

For applications in laboratory, medical and engineering, where limited space, monitoring fluid quality and costs play an important role, they provide an ideal, previously not achievable solution.

Technical Data

Measurement deviation	± 1kg/m³	
Repeatability	0,1 kg/m³	
Fluid Temperature	0 °C to +70 °C	
Ambient Temperature	0 °C to +70 °C	
Power supply	24 VDC, < 100 mA	
Output	RS232	
Pressure	PN 6	
Process connection	G ¼“	
Material	U-Tube : Process connection:	Stainless Steel Stainless Steel
Weight	1 kg	
Protection	IP67	
EU declaration of conformity	according to EMC directive 2004/108/EU	

Measuring Ranges

Density	kg/m³
Min	Max
500	1500
Flow	Liter/min
Min	Max
1	6

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TOP arguments for the density meter DIMF-Compact

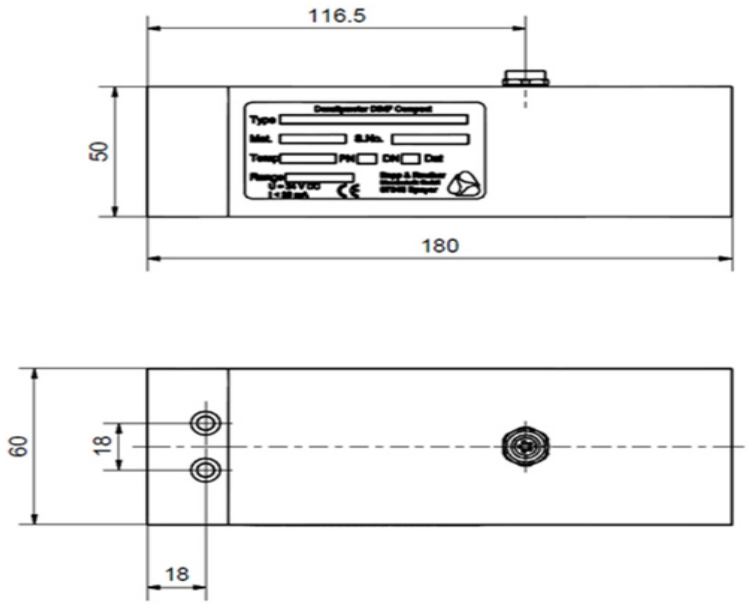
... with a robust sensor

- direct detection of the operating density, reference density or concentration of liquid media, such as ethanol, propanol, oils, acetone, sugar solutions, glycol, ink, colors, ...
- very compact design
- durable and reliable
- high accuracy / repeatability

... with convincing simplicity

- RS232 data interface
- Simple installation and commissioning via a plug for the data communication
- The connection to the product line via a quick-assembly block with G1/4“ threads, or directly to a suitable connection point
- Easy mounting with two screws

Dimensions



Connection