

# DENSITY- AND CONCENTRATION METER

## SERIES DIMF compact

### CHARACTERISTICS

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

- Derivative of a concentration in vol% or Ma% at 2-component mixtures
- Innovative concept
- Robust design
- high accuracy / repeatability
- 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

### 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.

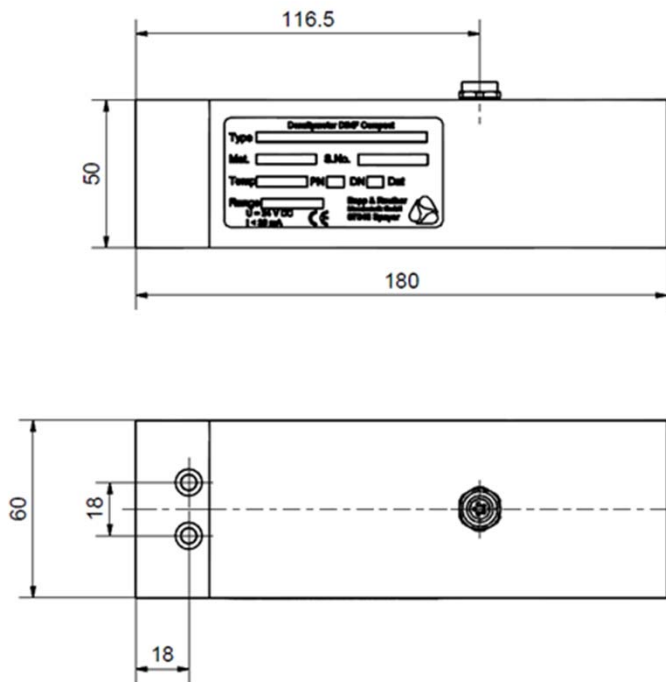
### TECHNICAL DATA

Measurement deviation	± 1kg/m <sup>3</sup>
Repeatability	0.2 kg/m <sup>3</sup>
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 1/4"
Material	U-Tube: 1.4571 Process connection: 1.4571
Weight	1 kg
Protection	IP67
Density range	500 1500 kg/m <sup>3</sup>
Flow range	1 – l/min



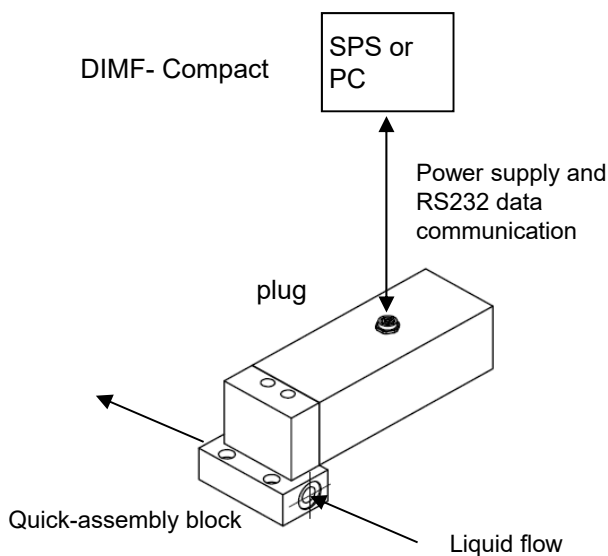
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## DIMENSIONS



Dimensions n in mm

## CONNECTION



### ... 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