



**Anton Paar**

::: Unique Density & Concentration Meters



## DMA 38 Density Meter

- ▶ Proven Anton Paar oscillating U-tube method
- ▶ Extremely user-friendly
- ▶ Rugged design for reliable use

## DMA 38 Density Meter

More than 25 years of experience in designing density meters for fluids led to this extremely user-friendly instrument. It is easier to use than any conventional hydrometer and is accurate to 0.001 g/cm<sup>3</sup>.



## Features

### Easy to use

- ▶ Just two keys for all routine operations
- ▶ No influence of sample viscosity on measuring results
- ▶ Can be directly connected to automatic filling and sampling systems
- ▶ Automatic air and water adjustment

### Advanced software simplifies your measurements

- ▶ Operations are display-guided and easy to follow
- ▶ Density, specific gravity or concentration values, e.g. API gravity, °Brix, % battery acid, etc. can be displayed and printed
- ▶ Customer specific density/concentration tables can be programmed
- ▶ °C or °F can be selected

### Rugged design for reliable use

- ▶ All wetted parts are made of borosilicate glass and PTFE
- ▶ Built-in solid state thermostat
- ▶ Separate computer and printer interfaces as standard feature
- ▶ Minimum lab space required
- ▶ Virtually maintenance-free

### Applications

- ▶ Measurement of true density and density-related values
- ▶ Concentration determination, e.g. in the food, beverage, photography, pharmaceutical, cosmetic, polymer, chemical and petrochemical industries
- ▶ General quality control and rapid product identification

## Technical specifications

<b>Measuring range</b>	0 to 3 g/cm <sup>3</sup>
<b>Accuracy</b>	
Density	±0.001 g/cm <sup>3</sup>
Temperature	±0.3 °C (±0.5 °F)
<b>Repeatability</b>	
Density	±0.0002 g/cm <sup>3</sup>
Temperature	±0.1 °C (±0.2 °F)
<b>Measuring temperature</b>	+15 to +40 °C (+59 to +104 °F)
<b>Temperature equilibrium time</b>	0.5 to 3.5 minutes
<b>Pressure range</b>	Up to 10 bar (150 psi)
<b>Minimum amount of sample</b>	Approx. 0.7 ml
<b>Measuring time per sample</b> (incl. filling and cleaning)	1 to 8 minutes
<b>Dimensions (L x W x H)</b>	280 x 210 x 270 mm (11.0 x 8.3 x 10.6 inches)
<b>Weight</b>	Approx. 10 kg (22 lbs)
<b>Power supply</b>	AC 85 to 260 V, 48 to 65 Hz
<b>Power consumption</b>	20 VA
<b>Interfaces</b>	Two RS 232 interfaces for external printer and/or computer

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### Instruments for:

Density & concentration measurement

Rheology and viscometry

Sample preparation

Colloid science

High-precision temperature measurement

X-ray structure analysis

CO<sub>2</sub> measurement



Specifications subject to change without notice.

Your distributor: