

Anton Paar

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, but is accurate to 0.001 g/cm³.

Features

Easy to Use

- Merely 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 requirement
- Virtually maintenance-free

Applications

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

Technical Specifications

| | |
|-------------------------------------|---|
| Measuring Range | 0 to 3 g/cm ³ |
| Accuracy | |
| Density | ±0.001 g/cm ³ |
| Temperature | ±0.3 °C, ±0.5 °F |
| Repeatability | |
| Density | ±0.0002 g/cm ³ |
| Temperature | ±0.1 °C, ±0.2 °F |
| Measuring Temperature | +15 to +40 °C, +59 to +104 °F |
| Temperature Equilibrium Time | 0.5 to 3.5 min |
| Pressure Range | Up to 10 bars, up to 150 psi |
| Minimum Amount of Sample | Approx. 0.7 ml |
| Measuring Time per Sample | 1 to 8 min (incl. filling and cleaning) |
| Dimensions (L x W x H) | 280 x 210 x 270 mm, 11.0 x 8.3 x 10.6 inches |
| Weight | Approx. 10 kg, approx. 22 lbs |
| Power Supply | 85 to 260 VAC, 48 to 65 Hz |
| Power Consumption | 20 VA |
| Data Output | Two RS 232 interfaces for external printer and/or computer |

Specifications subject to change without notice.

Anton Paar

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Instruments for:

- density/concentration
- rheology/colloid science
- sample decomposition
- X-ray structure analysis
- CO₂ measurement
- microhardness testing
- temperature
- medicine/biology