

Building industry leading test platforms to automate sensing and improve measurements by reducing human errors.



ADM 5.0

AUTOMATIC

Density Meter

ADM 5.0 works on U-tube vibration and is designed for rapid and accurate liquid density measurement. The compact unit integrates electronic excitation, vibration frequency detection, counting, and digital display functions.

Features

- Manual and Automatic sample injection
- Small sample volume around 2ml to 3ml
- Built-in Peltier temperature control
- Color LCD touchscreen
- High-definition display of U-tube real-time images
- Four levels of user management, data reporting
- Multiple communication interfaces
- Dry air & Distilled water, multipoint calibration
- Automatic atmospheric pressure compensation

Standards

- ASTM D4052
- ASTM D5002

ADM 5.0

Technical Specifications

Measuring Range

- Density: 0.00000 g/cm³ to 3.00000 g/cm³
- Temperature: 5 °C to 70 °C

Accuracy

- Density: ±0.0001 g/cm³
- Temperature: ±0.05 °C

Repeatability

- Density: ±0.00005 g/cm³

Precision

- Temperature: ±0.02 °C

Digital Resolution

- Density: 0.00001 g/cm³
- Temperature: 0.01 °C

U-Tube: Quartz glass

Sample Volume: 2ml to 3 ml

Sample Injection: Manual / Automatic (peristaltic pump)

Temperature Control: Peltier

Display: 10.1" Color LCD Touchscreen

Interface: RS232, USB, RJ45

Atmospheric pressure compensation: Automatic with built-in sensor.

Power

- 100V-240V, 50/60Hz, 1Ph, 120W 

Weight & Dimensions

- Net Dimensions: 439 x 350 x 217 mm
- Net Weight: 12 Kg

