

Automatic U-Shape Density Meter

The automatic oil density meter conforms to ISO12185, ASTM D891, GB/T2013-2010, SH/T0604-2000, ASTM D4052, ASTM D5002, ASTM D1250, ASTM D3505, ISO 12185:1996. It is widely used for liquid density measurement.



Overview

Precision Density Measurement

The FDT-1577 is a fully automatic density measuring instrument utilizing the U-shaped vibrating tube method. Designed for high-precision laboratory and industrial applications, it features an advanced automatic sample introduction system and Peltier-based temperature control. This instrument ensures accurate, residue-free measurements for various liquid samples, making it an essential tool for quality control and research environments.

Technical Specifications

Measurement Range

0 g/cm³

Min Range

2.2 g/cm³

Max Range

Measurement Accuracy

0.0005 g/cm³

Sample Volume

2 ML

Operational Features

Temperature Control

- 20 ± 0.1 °C
- 25 ± 0.1 °C
- Peltier Refrigeration Technology

Automation Features

Automatic Injection, Automatic Cleaning, Automatic Temperature Control, Residue-Free Technology

System & Data

Historical Data Capacity

280 groups

Power Requirements

220V ± 22V, 50Hz ± 1Hz, 50VA