Density Meter Series

WMD-550 / 450A /430A / 350A Density Meter

Introduction

Working under the principle of U-tube vibration, it can measure liquid density quickly, and has the functions of electronic excitation, vibration frequency counting and display. By injecting a small amount of samples into the vibrating sample tube, the density of the sample can be calculated according to the change of the vibration frequency of the sample tube and the calibration data.

Characteristics

- Color LCD touch screen display.

- High definition camera video for detection.

- Minimum sample amount is around 2-3 ml for measuring each time.

- Designed with the built-in Peltier temperature control.

- Fast mode and accurate mode meets different needs.

- Compatible with manual sampling and automatic sampling.

- Optional autosamplers for different applications.

- WMD-550 has automatic viscosity compensation.

Specifications

Parameters/ Model	WMD-550	WMD-450A	WMD-430A	WMD-350A
Measuring range (g/cm³)	0.00000 ~ 3.00000		0.0000 ~ 3.0000	
Measuring mode	Density(g/cm³)、 Density(kg/m³)、 4℃/20℃/25℃/ Synthermal Specific gravity of water、 More than 30 built-in units such as Density, Specific gravity, Alcohol, API, Brix, Urea, User-defined, etc.		Density(g/cm³)、 Density(kg/m³)、 4℃/20℃/25℃/ Synthermal Specific gravity of water、 User-defined	Density(g/cm³)、 Density(kg/m³)、 4℃/20℃/25℃/ Synthermal Specific gravity of water
Resolution (g/cm³)	0.00001		0.0001	0.0001
Accuracy (g/cm³)	±0.00008*	±0.0001*	±0.0003	±0.0005
Repeatability (g/cm³)	±0.00003	±0.00005	±0.0001	±0.0002
Temp. control range	5℃~70℃	5℃~70℃	5℃~70℃	5~50℃
Temp. resolution	0.01℃	0.01℃	0.01℃	0.01℃
Temp. control Precision	±0.02℃	±0.02℃	±0.02℃	±0.05℃
Temp Control Accuracy	±0.05℃	±0.05℃	±0.05℃	±0.1℃
Sampling	Manual / Auto			
Observation	HD camera，video check			
Calibration	Dry air / distilled water			
Audit trail	Optional			/
Operating system	Android			
Data Storage	128G			
Display	10.1 inch color LCD touch screen			
Interface	1×RS232，3×USB, 1×RJ 45			1×RS232，3×USB
Optional Printer	Stylus printer，Thermal printer，WIFI printer			Thermal printe, Stylus Printer
Report	PDF/Excel			
Power supply	100V~240V，50~60Hz，120W			
Overall dimensions	670mm×570mm×600mm			
Weight(Gross)	20kg			15kg

* Under the conditions of the installation requirements