


**ADM3**
 $0 \sim 3.0000\text{g/cm}^3$ 

**ADM5CFR**
 $0 \sim 3.00000\text{g/cm}^3$ 

## Automatic Density Meter

Automatic Density Meter is 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.



E - Catalogue

**Application:** Physics, chemistry, food safety Industries like petroleum, pharmaceuticals and chemicals, etc.,

### SALIENT FEATURES

- ✦ Automatic Density Meter function is to quickly measure the density of liquids
- ✦ Quartz glass U-Shaped Tube and photoelectric detection methods
- ✦ High definition camera video for detection
- ✦ Minimum sample 2~3 ml for each measurements
- ✦ Built-in Peltier Temperature control
- ✦ Compatible with Manual sampling and automatic sampling
- ✦ 10.1" Touch screen display with an Android operating system.
- ✦ 1080P high-definition camera for observing the sample injection process
- ✦ Bubble Detection users observe and identify bubbles or impurities in the sample.
- ✦ Measurement results can be saved as PDF reports and exported via USB
- ✦ Batch data collection and storage
- ✦ RS232C Serial port, USB
- ✦ Air pump for drying and cleaning
- ✦ Print results by thermal printers (Optional)

### About 21CFR Part 11 - ADM5CFR

ADM5CFR - 21CFR Part 11 defines the requirements for submitting, documents in electronic form and the criteria for approved electronic signatures

## Automatic Density Meter

HSN Code : 90275090

MODEL	ADM3	ADM5CFR
Density Measuring Range (g/cm <sup>3</sup> )	0.0000 to 3.0000	0.00000 to 3.00000
Density Resolution (g/cm <sup>3</sup> )	0.0001	0.00001
Density Accuracy (g/cm <sup>3</sup> )	±0.0005	±0.0001
Density Repeatability (g/cm <sup>3</sup> )	±0.0002	±0.00005
Temperature Control Range	5°C ~50°C	5°C ~70°C
Temperature Repeatability	± 0.05°C	±0.02°C
Temperature Accuracy	±0.1°C	±0.05°C
Communication Port	RS232C, USB	RS232 Interface, USB, RJ45
Measurement Units	g/cm <sup>3</sup> , kg/cm <sup>3</sup>	g/cm <sup>3</sup> , kg/cm <sup>3</sup> (More than 30 built-in units)
Audit Trail, User management	NA	Yes
Make	LABMAN	
Temperature Control	Peltier (In-Built)	
Temperature Resolution	0.01°C	
Display	10.1" Touch screen	
Observation	1080P HD camera	
Calibration	Dry air / Distilled Water	
Data Storage	128GB	
Method Management	200 groups	
Measurement Records	2,00,000 groups	
Operating System	Android	
Report	Pdf / Excel	
Sampling	Manual / Auto	
Power	120W	
Power Supply	AC 220V, 50/60Hz	
Dimension (LxWxH) mm	730 x 480 x 420mm	
Gross Weight	22kg	27kg

**SPECIFICATIONS**

Specifications are subject to change without notice. ★

**STANDARD ACCESSORIES** : Main Instrument, Silicon Gel Filter, Waste Water Bottle, Inlet & Outlet Tube, Power Adaptor, Instruction Manual, Test Certificate