Density Meter

Applications:

Applicable to: Beverage industry, food industry, brewing industry, petrochemical industry, chemical industry, pharmaceutical industry, essence and spice manufacturing industry, machinery manufacturing industry, inspection institutions.

Features:

∗ Built-in Measurement Units: all three models support density (g/cm³, kg/m³) and specific gravity at 4°C/20°C/25°C.
  BK-DM430A: adds user-defined formulas.
  BK-DM450A: integrates 30+ measurement methods (general, food, petrochemical, daily chemical, pharmaceutical, user-defined).

∗ Measurement Modes: all models feature precision measurement / rapid preliminary inspection modes.

∗ Software & Compliance Functions (BK-DM450A / BK-DM430A): equipped with user-defined methods, user hierarchical management (4-level authority), electronic signature, and audit trail (optional with FDA software).

∗ Sampling System: all models are fitted with HD cameras for video sampling observation. The sampling mode is automatic (manual compatible) and supports various samplers.

Technical Parameters:

Model	BK-DM450A	BK-DM430A	BK-DM350A
Measuring Range	0.00000~3.00000g/cm³	0.0000~3.0000g/cm³	
Measuring Resolution	0.00001g/cm³	0.0001g/cm³	
Measuring Accuracy	±0.0001g/cm³	±0.0003g/cm³	±0.0005g/cm³
Measuring Repeatability	±0.00005g/cm³	±0.0001g/cm³	±0.0002g/cm³
Temp. Resolution	0.01°C		
Temp. Control Range	5~70°C		5~50°C
Temp. Control Precision	±0.02°C		±0.05°C
Temp. Control Accuracy	±0.05°C		±0.1°C
Automatic Viscosity Compensation	Available	/	/
Calibration Method	Dry air / Distilled water		
Data Storage	128G		
Display Mode	10.1-inch color LCD touch screen, Android OS		
Communication Interface	RS232*1, RJ-45*1, USB*3		RS232*1, USB*3
Optional Accessories	Thermal printer RD-TH32-SC, dot matrix printer RD-TH24-SC, WIFI printer (series compatible), Audit trail function (FDA software)		Dot matrix printer, thermal printer
Report Output	PDF / Excel		
Power Supply	100~240V, 50~60Hz, 120W		
Instrument Dimension (W*D*H)	439*350*217mm		
Package Size (W*D*H)	720*470*390mm		
Net Weight	12.0kg		8.5kg
Gross Weight	23.5kg		23.5kg