RUDOLPH RESEARCH ANALYTICAL

DDM 2909 Density Meter Specifications

Measurement Ranges	**Density:** 0 to 3 g/cm³ **Temperature:** 15°C to 60°C (controlled via Peltier) **Pressure:** 0 to 10 bars
Measurement Modes	Continuous, Single, Multiple
Measurement Technique	Mechanical Oscillator Method
Accuracy	**Density:** 0.0002 g/cm³ with a single calibration at the measurement temperature **Density:** 0.0003 g/cm³ with a single calibration and measurement through multiple temperatures **Temperature:** 0.05°C
Repeatability	**Density:** 0.0001 g/cm³ (Extra Resolution Available) **Temperature:** 0.02°C
Resolution	**Density:** 0.0001 g/cm³ (Extra Resolution Available) **Temperature:** 0.01°C
Minimum Sample Volume	Less than 1 mL
Wetted Materials	Borosilicate glass, Teflon (PTFE, ECTFE)
Operating System	Windows Embedded® safe from malware and viruses
Display	10.4 inch diagonal TFT type LCD with wide viewing angle, anti-glare flat panel touch screen, 300 nits brightness, 800 x 600 pixels, chemical and scratch resistant monitor, the industry's largest and most flexible interface
Communication Interface	Touch Screen User Interface 5 - USB Ports (3 Rear - 2 Front) 2 - RS232 Ports Ethernet Port for Network Connection, Keyboard, Bar Code Scanner, Mouse, Network Capabilities
Video Scanning & Magnification	Video assisted, capable of approximately 10X magnification.
Internal Memory	32GB Non-removable Compact Flash
Operating Dimentions	18.00" (L) 11.00" (W) 21.00" (H) 46cm (L) 28cm (W) 53cm (H)
Shipping Weight	46 lbs. (22 Kg)
Power Supply	85 to 260 VAC; 48 to 62 Hz
Power Consumption	150 - 200 Watts