

SG-5000BT Density / Specific Gravity Benchtop Meter

Model # SG-5000BT



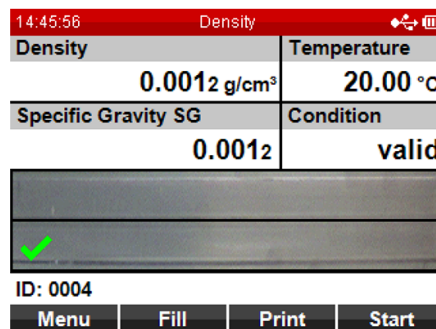
SG-5000BT

Product Overview

The Eagle Eye SG-5000BT Compact Digital Density Meter brings simplicity to your analysis with lab-accurate results. The stand alone SG-5000BT density and concentration meter is ready to go out of the box for simple liquid analysis and quality control with an intuitive, easy to use interface. The unit utilizes an integrated rechargeable battery for off-the-line operation outside traditional lab space for protection against voltage fluctuations or power outages. Receive precise measurement in a compact, light design built for portable testing. A sample requirement of only 1 mL is needed for 99.999% accurate results. The SG-5000BT ensures reliable filling and full traceability. A real-time camera is located inside the measuring cell, this "U-View" feature allows the sample to be clearly seen on the LCD display.

Product Advantages

- Advanced technology in a compact form, useable outside of lab environment
- Ready to test out of the box
- Clear sample identification for full traceability of results
- Automatic viscosity correction of measured density results
- Freely programmable methods containing measuring units and temperatures to be used for the measurement
- Off-the-line operation with rechargeable battery
- Versatile communication including bluetooth, (2) USB interfaces, and Ethernet



LCD Display

Technical Specifications

Measurement Range:	Density: 0.000 – 3.000 g/cm ³ Sample Temperature: 15 – 40 °C / 59 – 104 °F Pressure: 0 bar to 3 bar / 0 psi to 43.5 psi
Accuracy:	Density: 0.001 g/cm ³ Temperature: ±0.3 °C
Resolution:	0.0001 g/cm ³
Repeatability:	Density: 0.0002 g/cm ³ Temperature: 0.1 °C
Minimum Sample Volume:	1 mL
Communication:	(1) Bluetooth, (2) USB, (1) Ethernet
Display:	Backlit LCD
Internal Storage:	1000 Results
Wetted Parts:	PTFE, Borosilicate glass
Operating Environment:	10 – 50 °C / -15 – 122 °F
Power Requirements:	AC 100-240 V 50/60 Hz, 1.4A / DC 12 V, 5 A
Battery Types:	Li-Ion 7.4 V, 2.25 Ah – 2 hour operation time Optional: Li-Ion 7.5 V, 4.8 Ah – 6 hour operation time
Dimensions:	210 x 200 x 135 mm / 8.3 x 7.9 x 5.3 in.

Applications

- Chemical industry
- Food & Beverage
- Environmental
- Pharmaceutical
- Medicine / Biotechnology
- Petroleum Industry
- Industrial Manufacturing
- Education / Research

Kit Includes

- SG-5000BT
- Power supply & cord
- (2) Injection adapter luer
- 3 x 5 mm silicone transparent hose
- (10) Syringe 2 mL luer
- (2) Male luer plug PTFE
- (2) Adapter luer cone
- Angular screwdriver torx T8
- Waste vessel
- Electronic User Manual

Ordering Information

No.	Model #	Description
1	SG-5000BT	Benchtop Laboratory Density Meter, Range: 0.0000 – 3.0000