

SG-Ultra Max

Digital Hydrometer/ Density Meter

SG ULTRA MAX is the new generation of Eagle Eye portable density meters, using the oscillating U-tube technology. SG-ULTRA MAX measures the density and density-related values of your sample and shows the measuring results within seconds on the large display, ready for storage, printout or export to a PC.

SG-ULTRA MAX Features:

- **Accurate:** 99.999% Accurate.
- **User-friendliness:** Compact, lightweight design enabling one-hand measurement.
- **Robustness:** Rugged, comes with protective custom case.
- **Wireless communication:** Infrared data interface for data exchange with a PC and data export to a printer.
- **Efficiency:** Storage of up to 100 sample IDs for easy sample identification. Storage of up to 20 measuring methods. Storage of up to 1024 measurement results including timestamp and sample ID.



Kit Includes:

- SG-ULTRA MAX body
- Sample Tube
- IrDA Adapters
- Plastic Syringes
- Carrying Case
- User Manual

SG-ULTRA-MAX SPECIFICATIONS

Measuring Range	Density: 0 to 3 g/cm ³
Temperature Range (Sample)	32°F ~ 176°F (0 ~ 80°C)
Operating Temperature Range	*14°F ~ 122°F (-10°C ~ 50°C)
Viscosity	0 to 1000 mPa·s
Accuracy Density	**0.001 g/cm ³
Repeatability Density	0.0005 g/cm ³
Resolution Density	0.0001 g/cm ³
Data Memory	1024 measurement results
Power Supply	Two 1.5 V LR06 AA alkaline batteries
Supporting Measuring Units	• Density • Density @ reference temperature • Specific Gravity (SG) • Alcohol % v/v • Alcohol % w/w • Alcohol US (°Proof) • API Gravity • API SG • °Baumé • H₂SO₄ % w/w • H₂SO₄ @ 68 °F • °Brix • Extract (°Plato) • Five programmable custom functions
Sample Volume	Minimum requirement: 2 mL
Dimensions	140 x 138 x 27 mm (5.5 x 5.4 x 1.0 inches)
Weight	368 g (13 ounces)
Interfaces	IrDA OBEX, RFID (SG-ULTRA MAX Tag&Log only)
Protection class	IP54

*Sample must not freeze within the measuring cell!!

**Viscosity < 100 mPa·s, density < 2 g/cm³

ORDERING INFORMATION

No.	Part #	Description
1	SG-ULTRA MAX	Digital Hydrometer, Data-Logging, Range: 0.0000 - 3.0000

Order with an IBEX for your complete IEEE/NERC ULTRA Testing Kit!