



## SG-Ultra Max Digital Hydrometer/Density Meter



SG-Ultra Max

### Product Overview

The SG-Ultra Max measures the density and density-related values of your sample within seconds. Results appear on the backlit LCD screen and are ready for storage, printout or export to a PC. The lightweight and robust design enable on-site operation in a wide range of environments. Completely sealed, pump spills do not enter the instrument. The SG-Ultra Max digital hydrometer features leak-proof housing for operation in industrial and field applications including battery testing for utilities and telecoms, food & beverage testing, quality control, biotechnology, and many more. Supported measuring units include: density, density at reference temperature, specific gravity, alcohol, API, °Baumé, °Brix, and five programmable custom functions to ensure your measurement requirements.

### Product Advantages

- 99.999% Accurate, tests density and temperature simultaneously
- User-Friendly Compact, lightweight, and allows for one-hand measurement
- Robust & rugged, comes with protective carrying case. Sustains tough field environments with leak-proof housing
- Wireless Communication Infrared data interface for data exchange with a PC and data export to a printer
- Stores up to 1,024 total measurement results including time stamp and sample ID
- Automatic temperature compensation

### Technical Specifications

<b>Measurement Range</b>	Density: 0.000 – 3.000 g/cm <sup>3</sup> Sample Temperature: 0 <sup>1</sup> – 40 °C (32 <sup>1</sup> – 104 °F) Viscosity: 0 – 1,000 mPa
<b>Accuracy</b>	Density: 0.001 g/cm <sup>3</sup> Temperature: ±0.2 °C (±0.4 °F)
<b>Resolution</b>	0.0001 g/cm <sup>3</sup>
<b>Repeatability</b>	0.0005 g/cm <sup>3</sup>
<b>Minimum Sample Volume</b>	2 mL
<b>Communication</b>	IrDA Interface
<b>Display</b>	Backlit LCD
<b>Internal Storage</b>	1024 Results
<b>Operating Environment</b>	10 – 50 °C (-15 – 122 °F)
<b>Power Requirements</b>	(2) AA Batteries
<b>Dimensions</b>	140 x 138 x 27 mm (5.5 x 5.4 x 1.0 in)
<b>Weight</b>	368 g (13 oz)

(1) Sample must not freeze in the measuring cell.



SG-Ultra Max Kit

### Kit Includes

- SG-Ultra Max
- 180 mm Sample Tube
- 2 mL Plastic Syringes
- Luer Adapter 1/4" UNF
- IrDA Adapter
- Interface for Exporting Data to PC
- Carrying Case
- Electronic User Manual

### Ordering Information

Model No.	Description
SG-Ultra Max	Digital Hydrometer, Data-Logging, Range: 0.0000 – 3.0000
SG-Ultra Max Ex-Petrol	Intrinsically Safe Digital Hydrometer, Data-Logging, Range: 0.000 - 3.000