



## 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. Large backlit LCD display.
- 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><br>Sample Temperature: 0 <sup>1</sup> – 40 °C (32 <sup>1</sup> – 104 °F)<br>Viscosity: 0 – 1,000 mPa |
| <b>Accuracy:</b>              | Density: 0.001 g/cm <sup>3</sup><br>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

| No. | Model #                | Description                                                               |
|-----|------------------------|---------------------------------------------------------------------------|
| 1   | SG-Ultra Max           | Digital Hydrometer, Data-Logging, Range: 0.0000 – 3.0000                  |
| 2   | SG-Ultra Max Ex-Petrol | Intrinsically Safe Digital Hydrometer, Data-Logging, Range: 0.000 - 3.000 |