EAGLE EYE
POWER SOLUTIONS

# 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 | |
|---|---|
| **Measurement Range** | Density: 0.000 – 3.000 g/cm3<br>Sample Temperature: $0^1$ – 40 °C ($32^1$ – 104 °F)<br>Viscosity: 0 – 1,000 mPa |
| **Accuracy** | Density: 0.001 g/cm3<br>Temperature: ±0.2 °C (±0.4 °F) |
| **Resolution** | 0.0001 g/cm3 |
| **Repeatability** | 0.0005 g/cm3 |
| **Minimum Sample Volume** | 2 mL |
| **Communication** | IrDA Interface |
| **Display** | Backlit LCD |
| **Internal Storage** | 1024 Results |
| **Operating Environment** | 10 – 50 °C (-15 – 122 °F) |
| **Power Requirements** | (2) AA Batteries |
| **Dimensions** | 140 x 138 x 27 mm (5.5 x 5.4 x 1.0 in) |
| **Weight** | 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 |