

## DLV-Max Battery Testing Kit



DLV-Pro Voltmeter &  
SG-Ultra Max Digital Hydrometer

### Product Overview

The **DLV-Max Battery Testing Kit** includes the DLV-Pro data logging voltmeter with the SG-Ultra Max digital hydrometer for a complete solution to voltage and specific gravity testing. The DLV-Pro measures and records cell voltages in less than 1 second, enabling rapid testing of battery cell voltages. Voltages are recorded in two formats: 8 strings of 256 or 20 strings of 48 readings. Specific gravity and temperature readings measured from the SG-Ultra Max are directly uploaded to the DLV-Max in 8 strings of 256 format. Both voltage and specific gravity readings can be combined into a single report.

The DLV-Max kit can also be used to perform a full discharge test on up to 256 cells by recording up to 11 time-stamped voltage readings for each cell, along with time-stamped load current readings and initial and/or final SG readings via the SG-Ultra Max. All test data can be uploaded to a PC using the included Winmeter 5.1 Battery Analysis Software.

### Features

- Record, view, & analyze cell voltage, SG, & temperature readings
- Record voltage in either 8 strings of 256 or 20 strings of 48 format
- Record SG in 8 strings of 256 format
- Perform a full discharge test & analyze results on-site during the test
- Easily transfer data files to Winmeter 5.1 battery analysis software
- Export test data to PDF reports or Excel spreadsheets
- Replay animated discharge tests



Generate Reports for Voltage, SG, and Temperature

### Technical Specifications

Item	DLV-Pro	SG-Ultra Max
<b>Measurement Range</b>	Cell Voltage: 0 – 20V	Density: 0.000 – 3.000g/cm <sup>3</sup> Temp: 0 – 80°C (32 – 176°F)
<b>Accuracy</b>	0 – 4V: ±5mV 4 – 20V: ±10mV	Density: 0.001g/cm <sup>3</sup> Temp: ±0.2°C (±0.4°F)
<b>Memory</b>	Voltage: 8 by 256, 20 by 48 SG & Temp: 8 by 256	1024 Sequential Test Results
<b>Operating Temp</b>	0 – 40°C (32 – 104°F)	-10 – 50°C (-15 – 122°F)
<b>Battery Life</b>	3.7V Li-Ion Rechargeable, 20 Hours	Industrial (2) AA, 100 Hours
<b>Size / Weight</b>	160 x 76 x 33mm (6.3 x 3 x 1.3in) 298g (10.5oz)	140 x 138 x 27mm (5.5 x 5.4 x 1.0in) 368g (13oz)

### Kit Includes

- DLV-Pro Voltage Tester
- Voltage Test Leads
- SG-Ultra Max Digital Hydrometer
- Carrying Case
- Winmeter Analysis Software

### Ordering Information

No.	Model #	Description
1	DLV-Max Kit	DLV-Pro Data Logging Voltmeter, 0 – 20 VDC SG-Ultra Max Digital Hydrometer, 0 – 3 g/cm <sup>3</sup>