



# DLV-Ultra Battery Testing Kit



DLV-Pro Voltmeter & SG-Ultra Digital Hydrometer

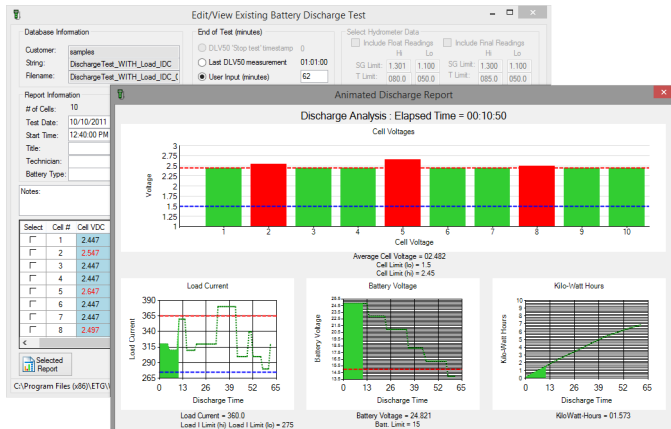
## Product Overview

The **DLV-Ultra Battery Testing Kit** includes the DLV-Pro data logging voltmeter with the SG-Ultra 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 are directly uploaded to the DLV-Pro in 8 strings of 256 format. Both voltage and specific gravity readings can be combined into a single report.

The DLV-Ultra 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. 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
- 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
<b>Measurement Range</b>	Cell Voltage: 0 – 20V	Density: 0.000 – 2.000g/cm <sup>3</sup> Temp: 0 – 40°C (32 – 104°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	1100 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)	229 x 114 x 64 mm (9 x 4.5 x 2.5 in.) 360 g (2.7 oz.)

## Kit Includes

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

## Ordering Information

Model No.	Description
DLV-Ultra Kit	DLV-Pro Data Logging Voltmeter, 0 – 20 VDC SG-Ultra Digital Hydrometer, 0 – 2 g/cm <sup>3</sup>