# DSG30 Data Logging Hydrometer

## Rugged yet powerful...



The DSG30 Hydrostik enables the user to collect and store up to 2048 specific gravity and temperature readings from batteries that have a 5/16" corner access tube.

Memory capacity is 8 strings of 256 readings. The user can then quickly and easily upload the test data to a PC/Winmeter 5.0 Battery Analysis Software via a RS232 PC interface.

Winmeter 5.0 battery analysis software is included with the instrument and has powerful report generation and database capabilities; enabling the user to identify batteries that are likely to require preventative maintenance.

### **Features**



#### Quickly Record and View Specific Gravity and Temperature Readings

- Collect and store up to 8 strings of 256 specific gravity and temperature readings.
- Measure specific gravity and temperature in less than 5 seconds.
- Specific gravity temperature is automatic and the unit is preconfigured for 77/77 F or 20/20 C.
- Splash proof membrane keypad for robustness.
- Download hydrometer data to the Winmeter 5.0 Battery Analysis Software.



#### Combine data with an existing DLV30 or DLV40 DC Cell voltage data

- Upload both instruments separately with Winmeter 5.0 software.
- Combine cell voltage, specific gravity & temperature readings with Winmeter 5.0 software into one battery test report.
  - IMPORTANT: DLV30/DLV40 NOT included,
- New customers, please consider purchasing the DMA35-DLV50-BATT battery test package.



#### Easily Transfer Data Files to Winmeter 5.0 Battery Analysis Software

Connect to PC (via RS232) to transfer data files to Winmeter 5.0 software

## **Specifications**

#### Physical Dimensions Weight Keypad

L 8.25" x W 3.875" x D 1.5" 18 ounces 4 key membrane tactile

#### Display

Type Resolution Character LCD 2 by 16 Characters

#### Memory

256K EEPROM Internal: 8 string of 256 Retention: 10+ years

#### Communication

Half-Duplex RS232C PC/Winmeter

#### Battery

(4) by Alkaline AA 15 hours (Approx.) Type Battery Life

#### Measurement

1.000 to 1.325 SGU SG ranae SG Temp. Comp. +/- 0.004 SGU SG Accuracy SG Reapeatibility 0.0003 SGU 32 to 104 °F Temp. Range Temp. Accuracy 0.8°F Temp. Repeatibility

#### **Environmental**

Temp. Range (Operating) OC-40C (32F-104F) Temp. Range (Storage) -10C-60C (20F-140F) Humidity Range (0C-31C) 0% to 80% (non-cond.) Humidity Range (32C-40C) 0% to 50% (non-cond.) 0-2000m sea level Altitude

1 year limited warranty

#### **Accessories**

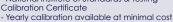


## Winmeter 5.0 Battery Analysis Software (Included) - Compatible with all battery test instruments

- Provides USB/RS232 PC interface
- Statistical, graphic analysis & report generation Searchable battery test database
- NIST Calibration Certificate (Included)



 National Institute of Standards & Testing Calibration Certificate



#### RS232 Cable (Included)

Compatible with DMA35 Data Module, DMA35n Data Module, DSG30 & DLV30

#### Custom Hard Case (Included) Compatible with DSG30 only

- Space for all accessories

Acid-resistant

## **Upgrades**



#### **DMA35-BATT Battery Test Package**

- DMA35 Digital Hydrometer
- DMA35 data logging module
  Winmeter 5.0 Battery Analysis Software (free download)
- Upload DMA35 data PC via data module
- Data storage: 8 strings of 256 readings



#### DMA35-DLV50-BATT Battery Test Package

- DMA35 Digital Hydrometer
- DLV50 Data Logging Voltmeter *Plus* Winmeter 5.0 Battery Analysis Software (free download)
- Upload DMA35 data directly to the DLV50 via IRDA
- Immediately analyze ALL data onsite (voltage, SG and temp. graph/statisical/threshold)



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