

DSG30 Data Logging Hydrometer

Rugged yet powerful...



The DSG30 Hydromet 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		Measurement	
Dimensions	L 8.25" x W 3.875" x D 1.5"	SG range	1.000 to 1.325 SGU
Weight	18 ounces	SG Temp. Comp.	77/77(°F)
Keypad	4 key membrane tactile	SG Accuracy	+/- 0.004 SGU
Display		SG Repeatability	0.0003 SGU
Type	Character LCD	Temp. Range	32 to 104 °F
Resolution	2 by 16 Characters	Temp. Accuracy	0.8°F
Memory		Temp. Repeatability	0.5°F
Internal:	256K EEPROM	Environmental	
Capacity:	8 string of 256	Temp. Range (Operating)	0C-40C (32F-104F)
Retention:	10+ years	Temp. Range (Storage)	-10C-60C (20F-140F)
Communication		Humidity Range (0C-31C)	0% to 80% (non-cond.)
PC/Winmeter	Half-Duplex RS232C	Humidity Range (32C-40C)	0% to 50% (non-cond.)
Battery		Altitude	0-2000m sea level
Type	(4) by Alkaline AA	Warranty	
Battery Life	15 hours (Approx.)	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
- Yearly calibration available at minimal cost



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

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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/statistical/threshold)



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