

# DMA35-BATT Data Logging Digital Hydrometer

Simple yet powerful...

**Step 1:** Use the DMA35 digital hydrometer to quickly and accurately take up to 256 readings of SG and temperature



Measuring specific gravity and electrolyte temperature has always been a time consuming, inefficient task requiring two technicians: one to take the readings, the other to write down the data. Now, one technician can both measure specific gravity and temperature and record the data more quickly than with other conventional methods.



**Step 2:** Transfer the DMA35 readings (via IRDA) to the DMA35 data module. The DMA35 data module can hold up to 8 strings of 256 readings

The DMA35-BATT data logging hydrometer package enables the user to collect and store up to 8 strings of 256 specific gravity and temperature readings. This data can then be downloaded and analyzed with the Winmeter 5.1 Battery Analysis Software, enabling the user to quickly identify batteries that are likely to require preventative maintenance.

**Step 3:** Connect the DMA35 data module to a PC/Winmeter 5.1 battery analysis software to transfer data and generate/save battery test reports



## Specifications

### Physical

DMA35:	
Dimensions	L 5.5" x W 5.1" x D 1.0"
Weight	10 ounces
Keypad	7 key membrane (tactile)
DMA35 Data Module:	
Dimensions	L 3.0" x W 1.25" x D 1.5"
Weight	2 ounces
Keypad	2 key membrane tactile

### Measurement

SG range	0 to 1.999 SGU
SG Temp. Compensation	77/77(°F)
SG Accuracy	+/- 0.001 SGU
SG Repeatability	0.0005 SGU
Temperature Range	32 to 104 °F
Temperature Accuracy	0.4 °F
Temperature Repeatability	0.1 °F

### Memory

DMA35 Data Module:	
Internal:	256K EEPROM
SG & Temp. Capacity:	8 strings of 256 readings*
Data Retention:	10+ years

### Communication

DMA35 -> DMA Module	IRDA Obex
DMA Module -> Printer	IRDA Raw
DMA Module -> PC	RS232 9600 Baud

### Battery

DMA35 Hydrometer	(2) AA Alkaline
Battery Life	6 months(Approx.)
Auto-off	3 min with no activity
DMA Data Module	(1) 6V Lithium (L544BP)
Battery Life	12 months(Approx.)
Auto-off	3 min with no activity

### Warranty

1 year limited warranty

\*Only first 256 readings can be transferred to DMA35 data module or DLV50

## Accessories



### Winmeter 5.1 Battery Analysis Software (Included)

- Compatible with all ETG data logging battery test instruments
- Provides PC interface (USB & RS232)
- Statistical & graphic analysis & report generation
- Searchable battery test database



### USB Download Cable (Included)

- Compatible with the DMA35 data module, DMA35n data module, DSG30 & DLV30
- Legacy RS232 cable available



### Custom Hard Case (Included)

- Compatible with DMA35, DMA35 Module, DLV30 & DLV50
- Space for all accessories
- Acid Resistant

## Upgrades



### DMA35-DLV50-BATT Battery Test Package

- DMA35 Digital Hydrometer
- DLV50 Data Logging Voltmeter Plus
- Winmeter 5.1 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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