

Digital Hydrometer

For lead acid batteries

DH-10C

Cat.No.3446

DH-10F

Cat.No.3447

Specific gravity of sulfuric lead-acid battery fluid



Single-handed operation from measurement to cleaning, without touching any liquid!

No more cumbersome cleaning. Lightweight, compact, and battery-operated for maximum portability. Ideal for hazardous or volatile sample measurements.

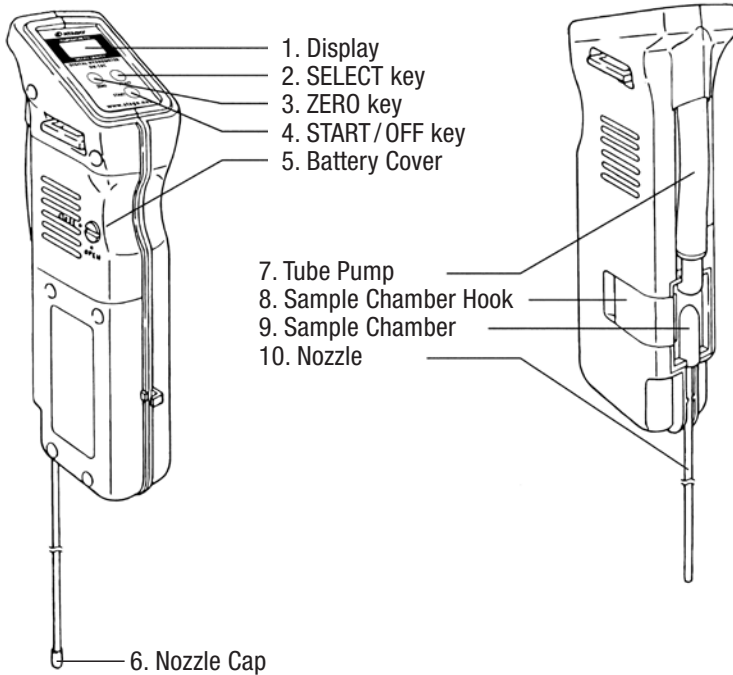
Digital Hydrometer **DH-10C**, **DH-10F**

Cat.No.3446

Cat.No.3447

For determining the charge level of lead acid batteries commonly used as industrial battery banks.

Names and Functions of Parts



1. Display

The liquid crystal display provides a digital readout of the measured values.

2. SELECT key

Used to select a measurement item. The item to be displayed switches between TEMPERATURE and MEASURE each time this key is pressed. (Specific gravity of electrolyte)

3. ZERO key

Used for zero-setting.

4. START / OFF key

Press to take a measurement. To turn off the instrument, press and hold down the key for 2 seconds.

5. Battery Cover

Remove to insert or to change the battery.

6. Nozzle Cap

Used to protect the tip of the Nozzle.

7. Tube Pump

The Tube Pump is made of rubber. Squeeze and release the Tube Pump to remove the sample.

8. Sample Chamber Hook

Used to hold the Sample Chamber in place.

9. Sample Chamber

The removed sample is stored in the Sample Chamber for measurement.

10. Nozzle

The sample is extracted through the Nozzle.

Example of Time and Cost Savings

Increased efficiency over a conventional glass hydrometer and thermometer

A service tech visits 30 power systems a month. Using a standard hydrometer, it takes him 20 minutes per system to do the job. The DH-10 Digital Hydrometer reduces the service time to 2 minutes per system.

His labor costs \$40/hour.

- **A standard glass hydrometer:**
20 minutes × 30 sites = 10 hours, \$400 worth of labor every month
- **DH-10 Digital Hydrometer:**
2 minutes × 30 sites = 1 hour, \$40 worth of labor every month

The benefits are 108 hours = \$4,320 of savings every year, per service tech.

Specifications

	DH-10C Cat. No.3446	DH-10F Cat. No.3447
Measurement Range	Specific gravity electrolyte: 1.000 to 1.400 (Automatic Temperature Compensation)	
Resolution	0.001	
Measurement Accuracy	±0.002 (10 to 30°C) ±0.003 (0 to 10 or 30 to 40°C) ±0.005 (-10 to 0 or 40 to 50°C)	±0.002 (50 to 86°F) ±0.003 (32 to 50 or 86 to 104°F) ±0.005 (14 to 32 or 104 to 122°F)
Sample chamber temperature	-10 to 50°C	14 to 122°F
Ambient Temperature	5 to 40°C	41 to 104°F
Power Supply	006P alkaline battery (9V)	
Dimensions	70 × 40 × 210mm (not including the nozzle)	
Weight	Approx. 235g (including battery)	

All ATAGO products are designed and manufactured in Japan.



<http://www.atago.net/> overseas@atago.net

Headquarters: The Front Tower Shiba Koen, 23rd Floor
2-6-3 Shiba-koen, Minato-ku, Tokyo 105-0011, Japan
TEL : 81-3-3431-1943 FAX : 81-3-3431-1945



ATAGO products comply with HACCP, GMP, and GLP system standards.

- **ATAGO U.S.A., Inc.**
- **ATAGO INDIA Instruments Pvt.Ltd.**
- **ATAGO THAILAND Co.,Ltd.**
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- **ATAGO CHINA Guangzhou Co.,Ltd.**
- **ATAGO RUSSIA Ltd.**
- **ATAGO NIGERIA Scientific Co.,Ltd.**

- TEL : 1-425-637-2107 customerservice@atago-usa.com
- TEL : 91-22-28544915, 40713232 customerservice@atago-india.com
- TEL : 66-21948727-9 customerservice@atago-thailand.com
- TEL : 55 16 3913-8400 customerservice@atago-brasil.com
- TEL : 39 02 36557267 customerservice@atago-italia.com
- TEL : 86-20-38108256 info@atago-china.com
- TEL : 7-812-777-96-96 info@atago-russia.com
- TEL : 234-707-558-1552 atagonigeria@atago.net

* Specifications and appearance are subject to change without notice.