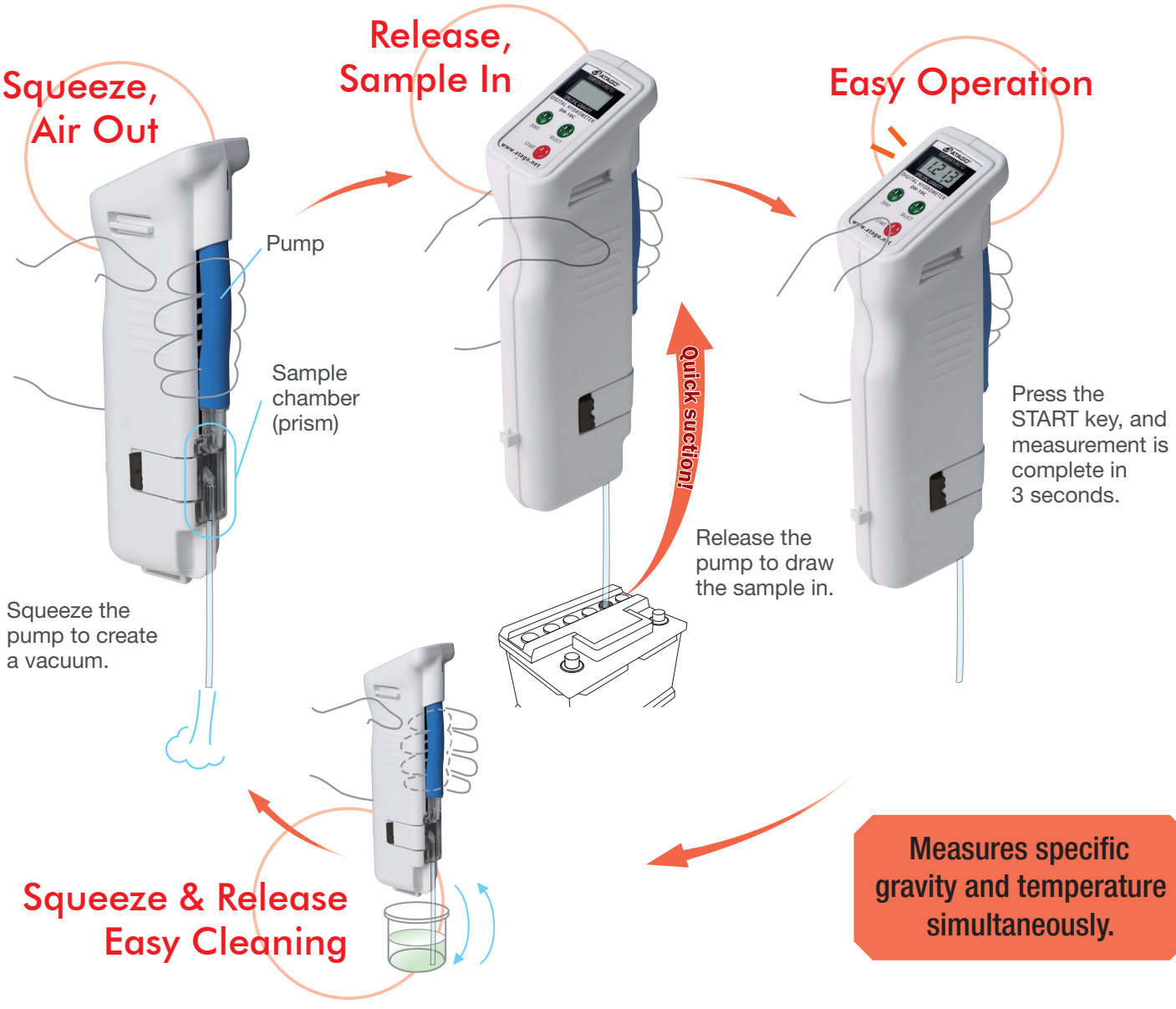
Digital Hydrometer

For lead acid batteries

DH-10C , DH-10F

Cat.No.3446 Cat.No.3447

Specific gravity of sulfuric lead-acid battery fluid



Measures specific gravity and temperature simultaneously.

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.

ATAGO®

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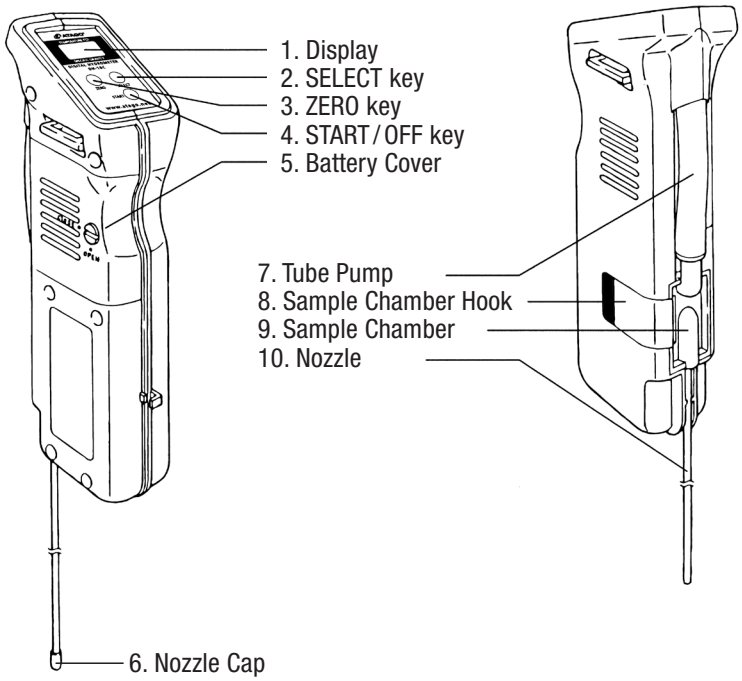
For determining the charge level of lead acid batteries commonly used as industrial battery banks.

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.

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ISO9001

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

* Specifications and appearance are subject to change without notice.

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