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# Battery Acid Testers and Thermometers





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## Battery Acid Testers

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A battery hydrometer or acid tester is used to test the state of charge of a battery cell. This is performed by measuring the density of the electrolyte, which is accomplished by measuring the specific gravity of the electrolyte. The greater the concentration of sulfuric acid, the more dense the electrolyte becomes.

We can supply different acid testers:

- different sizes
- with plastic cylinder or glass bulb
- measuring ranges from 1,08 to 1,30 g/ml
- different graduations: 0,005 g/ml or 0,01 g/ml
- different sizes of suction hoses





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## Standard acid tester

### Serie 6300



### Specifications

<b>Material</b>	Straight plastic cylinder	
<b>Measuring range</b>	1,10 to 1,30 g/ml	
<b>Graduations</b>	0,01 g/ml	
<b>Suction volume</b>	18 ml	
<b>Overall length</b>	255 mm	
<b>Weight</b>	100 gr	

### Ordering codes

<b>AK-SP-6300</b>	With suction hose length 52 mm, diameter 5,2 mm	
<b>AK-SP-6320</b>	With suction hose length 140 mm, diameter 5,2 mm	
<b>AK-SP-6322</b>	With suction hose length 130 mm, diameter 3,1 mm	

### Extra info

- Universal workshop device
- Sturdy design with straight plastic cylinder
- Small suction volume, but large areometer
- Centered areometer, no swinging, no lateral contact, correct and fast reading
- Broad colored scale and numerical scale



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## Glass acid tester

### Serie 6500



### Specifications

<b>Material</b>	Bulged glass cylinder	
<b>Measuring range</b>	1,08 to 1,30 g/ml	
<b>Graduations</b>	0,005 g/ml	
<b>Suction volume</b>	38 ml	
<b>Overall length</b>	328 mm	
<b>Weight</b>	150 gr	

### Ordering codes

<b>AK-SP-6500</b>	With suction hose length 52 mm, diameter 5,2 mm	
<b>AK-SP-6520</b>	With suction hose length 140 mm, diameter 5,2 mm	
<b>AK-SP-6522</b>	With suction hose length 130 mm, diameter 3,1 mm	

### Extra info

- Large model with bulged glass cylinder
- For large vehicle batteries and stationary accumulators
- Accurate reading through large scale with small graduations
- Suitable for calibration, supplied with calibration certificate on request



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### Serie 1260



### Specifications

<b>Material</b>	Straight glass cylinder
<b>Measuring range</b>	1,10 to 1,30 g/ml
<b>Graduations</b>	0,010 g/ml
<b>Calibration temperature</b>	20°C
<b>Overall length</b>	± 320 mm
<b>Weight</b>	140 gr



### Ordering codes

<b>AK-SP12620</b>	With suction hose length 140 mm, diameter 4 mm
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### Extra info

- Large model with straight glass cylinder
- For frequent workshop use
- Precision model, accurate reading



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## Acid tester with glass bulb and build-in thermometer

### Serie 6600



### Specifications

<b>Material</b>	Bulged glass cylinder	
<b>Measuring range</b>	1,08 to 1,30 g/ml	
<b>Graduations</b>	0,005 g/ml	
<b>Suction volume</b>	38 ml	
<b>Temperature display</b>	0 to 60°C	
<b>Overall length</b>	328 mm	
<b>Weight</b>	155 gr	

### Ordering codes

<b>AK-SP-6800</b>	With suction hose length 52 mm, diameter 5,2 mm	
<b>AK-SP-6820</b>	With suction hose length 140 mm, diameter 5,2 mm	
<b>AK-SP-6822</b>	With suction hose length 130 mm, diameter 3,1 mm	

### Extra info

- Large model with bulged glass cylinder
- For large vehicle batteries and stationary accumulators
- With build-in thermometer for temperature reading
- Accurate reading through large scale with small graduations
- Suitable for calibration, supplied with calibration certificate on request



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## Thermometer

### Thermometer Alcohol Liquid



#### Specifications

<b>Material</b>	Sodocalcique glass
<b>Measuring range</b>	-10°C to +60°C
<b>Graduations</b>	0,5°C
<b>Accuracy</b>	1°C
<b>Overall length</b>	305 mm
<b>Diameter</b>	6 - 7 mm

#### Ordering codes

<b>AK-TH-10/60</b>	Thermometer, length 305mm, -10/+60°C : 0,5°C
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#### Extra info

- Solid stem thermometer for daily use
- Non-roll design
- Very readable printed graduation
- Resistant to aggressive agents (except fluoridric acid and hot soda)
- Yellow enamel backing, red liquid
- Total immersion: the thermometer must be immersed at the same level of the temperature read