

## Hydrometer

### ◆ Product Description

A glass hydrometer is a measuring instrument designed based on the archimedes' principle of buoyancy, which is specially used to measure the density of liquids. the measurement range of this product is 0.7-0.8 g/mL, and it is particularly suitable for measuring light liquids with a density lower than that of water.



- Premium Borosilicate Glass Material
- High-precision Calibrated Scale
- Built-in Precise Counterweight Structure
- Integral Sealed Forming Technology
- Applicable to Various Liquid Media

### ◆ Product Structure

- The hydrometer features an integrated glass blow-molded structure, and the whole body is divided from top to bottom into three parts: an upper stem with precise calibrated scales, a middle main float bulb for buoyancy provision, and a lower weighted bulb with built-in lead shot counterweights to ensure vertical and stable floating. It is fully sealed with no spliced joints, boasting a concise and stable structure.

### ◆ Typical Applications

- The hydrometer is suitable for the density detection of low-density liquids such as gasoline, light solvents and vegetable oil, and is widely applied to scenarios including petrochemical industry, oil product testing, chemical laboratory analysis and laboratory assay.

### ◆ Typical Product Data and Physical Properties

Main Material: High Borosilicate Glass  
Measuring Range: 0.700~0.800 g/mL  
Minimum Scale Value: 0.001 g/mL  
Standard Calibration Temperature: 20°C  
Overall Length: Approx. 300±10 MM  
Light Transmittance: ≥92%  
Strain Temperature: 520°C  
Softening Temperature: 820°C  
Elastic Modulus: 76 KN/mm<sup>2</sup>

### Availability:

Item#	Measuring Range	Packing	Weight
1.5.07.11.0070	0.700~0.800 g/mL	1pcs/box	0.085kg

### ◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

### ◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data for reference only

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