

DESCRIPTION:

YW-681 series instruments are digital display high-precision optical instruments designed using the principle of refraction, which can be used to measure the sugar content of liquids, such as fruits and beverages.

The YW-681 series is designed with a protective cover. When measuring in a strong light environment, covering the protective cover can greatly reduce light interference. In addition, when measuring volatile solutions, covering the protective cover can avoid measurement errors caused by excessive volatilization of the solution.

The YW-681 series has a temperature compensation function, which can reduce the influence of temperature changes on the measurement results. The instrument also has waterproof protection function, the protection level is IP66, and can be directly washed with a small water flow. This series of instruments is compact and easy to carry.



YW-681

FEATURES:

- One screen with three displays
- IP66 waterproof design
- Large capacity battery, long standby time
- Auto temperature compensation
- Zero calibration
- Timed automatic shutdown
- USB charging
- Screen with backlight
- With cover design, anti-glare interference

APPLICATION:

- Sugar making
- Drinks
- Food processing

PRECAUTIONS:

- Please operate the instrument correctly and use or store the instrument under the conditions specified in the technical data sheet.
- It is forbidden to scratch the measuring groove and optical prism with hard objects, so as to avoid measurement errors.
- When not in use for a long time, please fully charge and place the instrument in a dry, dust-free and non-corrosive environment.
- When measuring high and low temperature solutions, wait about 20 seconds to allow the prism to conduct heat sufficiently to reduce measurement errors.
- The USB charging voltage should not exceed the DC6V limit.
- The instrument can be flushed with a small flow of water, but it is forbidden to immerse the instrument in water.

WARNING:

- It is forbidden to disassemble without permission!
- Strictly prevent strong electricity and electrostatic shock!

TECHNICAL PARAMETER:

Model		YW-681	YW-681-L	YW-681-H	YW-681-S
Measuring range		Brix: 0~32% Environment temperature: 10~40℃ Refractive index: 1.333~1.385		Brix: 0~55% Environment temperature: 10~40℃ Refractive index: 1.333~1.431	
Precision	Brix	±0.2%	±0.5%	±0.2%	±0.5%
	Others	Environment temperature: ±0.5℃; Refractive index: ±0.001			
Resolution		Brix: 0.1%; Environment temperature: 0.1℃; Refractive index: 0.00001			
Temperature compensation		10~40℃			
Power supply		Built-in lithium battery (800mAh)			
Protection degree		IP66			
Dimensions		119*55*31mm			
Shell material		ABS			
Weight		About 122g			