

TECHNICAL DATA SHEET

Fully Automatic Abbe Refractometer YSTE-ZG2

Product Introduction:

The fully automatic refractometer is equipped with high-performance linear CCD photosensitive components, and is equipped with a semiconductor Peltier super temperature control system through high-speed and high-precision signal acquisition and analysis processing technology. It can efficiently and accurately measure the refractive index (nD) and mass fraction (Brix) of various liquids such as transparent, semi transparent, dark, viscous, etc.

Application areas:

Compliant with national standards such as GB/T12143-2008, GB/T18963-2012, GB/T21730-2008, GB/T 614-2006, etc

Compliant with industry standards such as GT/T5527, GT/T12143, GT/T21730, GT/T18963, etc

Fully automatic refractometers are widely used in the petroleum industry, oil and fat industry, pharmaceutical industry, food industry, daily chemical industry, sugar industry, etc., and are also one of the commonly used equipment in schools and related research institutions.

Feature:

- 1: Built in Peltier temperature control to improve accuracy and stability;
- 2: LED cold light source replaces traditional sodium and tungsten halogen lamps;
- 3: 7-inch touch color screen, user-friendly operation interface;
- 4: The whole machine has passed TART and CE certification.
- 5: General Rule 0622 of the 2020 edition of the Chinese Pharmacopoeia

Technical Specifications:

Range: 1.3000-1.7000 (nD)

Resolution: 0.0001

Refractive index accuracy: ± 0.0001

Test mode: refractive index, sugar content, honey moisture, salinity

Brix measurement range: 0-100% (Brix)

Measurement indication error: $\pm 0.1\%$ (Brix)

Temperature range: 0 °C -100 °C

Temperature control range: 5 °C -70 °C

*Temperature control accuracy: ± 0.03 °C

Temperature control method: Built in Peltier temperature control

Light source: LED light source

Wavelength: 589nm

Prism: Sapphire grade

Sample pool: stainless steel

Detection method: High resolution linear array CCD

Output methods: USB, RS232, Ethernet interface, SD card, USB flash drive

Printer: Needle type (non thermal)

Power supply: 220V/50HZ

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Information from the authorized catalog. Confirm configuration, accessories and documentation in the quotation.

Assisted translation: review the manufacturer specifications before purchasing.