

## Gem Refractometer

The Gem Refractometer is the main tool for gem determination, and it is also a useful tool for identifying gem species.

### 1. Gem Refractometer Introduction

Innovation:

- 1: Portable design, easy to use;
- 2: LED cold light source replaces traditional sodium light and halogen tungsten light.

### 2. Gem Refractometer Parameter

Refractive index nD: 1.35--1.85nD

Resolution: 0.0001nD

Accuracy: 0.002nD

Display mode: digital display

Temperature display range (minimum value 0.1°C): 0~40°C (automatic temperature compensation)

Mass: 100 grams

Shape: 58(W)×25(D)×121(H)MM

### 3. Gem Refractometer Feature And Application

Large eyepiece, wide field of view, easier to read

Frosted aluminum alloy countertop, corrosion-resistant, easy to clean.

### 4. Fields of use Gem Refractometer

Gem Refractometer can measure the refractive index of gems non-destructively, quickly and accurately, and can determine other light characteristics of gems.

### 5. Gem Refractometer Details

The working principle of the refractometer is based on total internal reflection. This instrument measures the critical angle of gemstones and directly converts the readings into refractive index values.

Conditions for total reflection:

1. The high refractive index prism of the refractometer must be an optically dense medium
2. The gemstone to be tested is a light sparse medium
3. The contact liquid makes a good optical contact between the prism and the gemstone to be tested.

### 6. Product Qualification

Jiahang Gem Refractometer has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality.

#### 7. **Deliver, Shipping And Serving**

We have a top R&D team returned from Europe and America, cooperate with our superb manufacturing team, professional sales team and dedicated service team, working together to provide customers with high-tech, high-quality products and efficient, convenient, Comprehensive pre-sales and after-sales professional services.

#### 8. **FAQ**

##### **How many years have your company made Gem Refractometer?**

22 years of scientific instrument manufacturer, laboratory solution provider!

##### **Which certificate do you have for your products?**

Jiahang has obtained CE certification, TART certification, ISO quality management system certification, more than 10 software copyrights and multiple patents to ensure that each instrument has stable performance and excellent quality.

##### **Will you will attend the fair to show your products?**

Yes, Every year we will participate in some internationally renowned exhibitions to launch our new products, such as Arablab, PICCTON, Analytica Russia, Lab Africa, Analytica Germany, Analytica Latin America and so on, we are looking forward to your visit.

##### **How about your company's R&D strength**

Possess strong R&D technical capabilities (a R&D team of more than 20 people, with an average degree of doctorate degree, graduated from well-known universities at home and abroad, with an average work experience of 8 years), able to deal with and solve product-related technical problems

##### **If OEM is acceptable?**

Provide OEM customization service, product built-in software has autonomy, can customize development settings

##### **Are you a trading company or a manufacturer?**



☎ 0086 17721148861

✉ bentian@jiahanglab.com

🌐 www.jiahanglab.com

📄 0086 021 59904405

100% manufacturer, no middlemen and distributors make the price difference, the price of the source factory is very advantageous; Jiahang is headquartered in Shanghai, China, has 15 service outlets and 2 production plants in China, and has sales in more than 10 countries overseas proxy.

### **How about your delivery time?**

"Generally, it will take 7 to 15 working days after receiving your advance payment. Depend on the quantity."

### **Which payment can be acceptable ?**

We could accept the payment by L/C, TF, Paypal , Western Union,etc.

### **Service**

We could provide Online instruction ; Real-time support by video-ca or voice-chat.

Any customer who cooperates for the first time promises to provide a production cost price trial opportunity to solve your worries about product quality problems.

Provide official product quality assurance documents that comply with legal benefits to escort you with worry-free after-sales service.