VENUSLAB
OPTOELECTRONICS

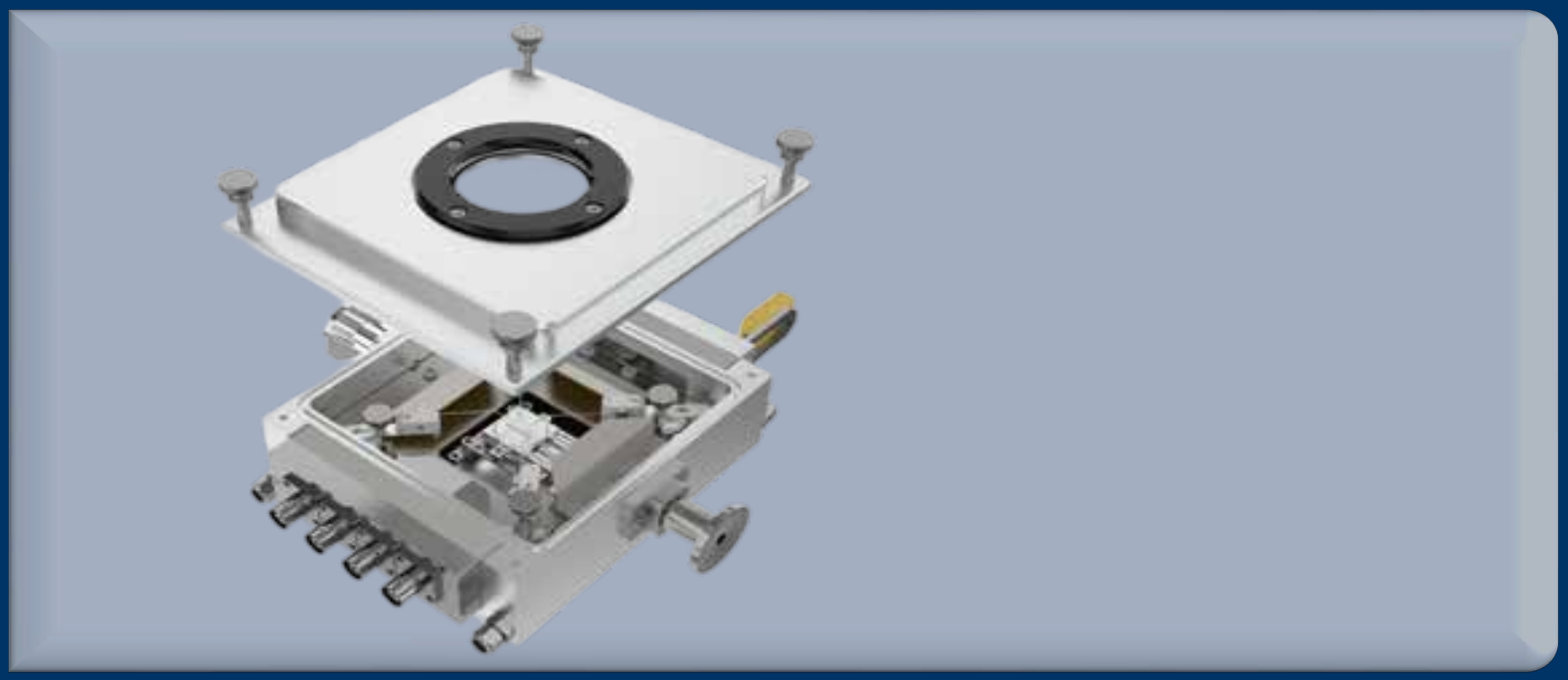
Precision
Meets
Simplicity

Electrical

Ultra-high temperature probe stage

High temperature stability, precise testing, flexible compatibility.

- Super strong high-temperature resistance stability
- Flexible software compatibility
- High-precision temperature control and rapid temperature rise
- Compact and lightweight design



One Platform Many Possibilities

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Get a Quote

Get Expert Advice
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www.venuslabtech.com

Ultra-high temperature probe stage

Overview

Introduction:

Ultra-high temperature probe stage is a thermal stage specially designed for testing the electrical parameters of materials and characterizing machine performance in a temperature-varying environment. It uses the four-probe method at its core to achieve accurate testing, and can meet the core needs of researching the electrical properties of materials in high-temperature scenarios.Its application fields are extensive, covering scenarios such as perovskite material research, dielectric constant testing, variable temperature resistivity analysis, and low-temperature electrical signal testing, providing reliable experimental support for the research on the changes in the electrical properties of materials in high-temperature environments.

Features:

- The chamber, sample area and probes are all made of high-temperature resistant materials to ensure stable use at high temperatures.
- An additional temperature signal can be added for integration with other testing software

Specifications

Common Parameter Specification Table

Parameter Item	Parameter Details
Refrigeration model	No refrigeration (Natural cooling)
Temperature resolution	0.1℃
Temperature accuracy	±0.01℃
Maximum heating rate	150℃/min
Maximum cooling rate	Natural cooling
Sample area material	Superalloy
Diameter of the front observation window	Φ32mm
Type of probe	Fixed probe
Adjustment method of probe	Manual adjustment
Number of probes	4 pieces

Serivce & Support

We are dedicated to delivering exceptional optoelectronic solutions to every client. From precision manufacturing and secure delivery to full-lifecycle technical support, we are here to ensure a seamless and reliable experience at every step.

1. Warranty Policy

Quality First, Worry-Free Operation

Warranty Period: We offer a **two-year** warranty service for all of our core optoelectronic products, effective from the date of shipment.

Coverage: We provide free repair or replacement services for malfunctions caused by material defects or workmanship errors under normal operating conditions.

Rapid Response: Upon receiving a warranty claim, we guarantee to initiate the assessment process within **24 hours** to minimize your equipment downtime.

2. Technical Support

Expert Team, Full-Process Guidance

Technical Consultation: Our team of senior optical engineers provides **24/7 online support** to assist with installation, commissioning, optical path alignment, and parameter optimization.

Scheduled Maintenance: We offer full-lifecycle maintenance recommendations, including firmware upgrades, optical component cleaning guidelines, and precision calibration services.

Training Services: We provide customized remote or on-site operational and safety training to ensure your team can operate the equipment efficiently and safely.

3. Logistics & Delivery

Precision Packaging, Global Reach

Professional Packaging: Given the fragile nature of optical instruments, we utilize industrial-grade shockproof, anti-static, and moisture-proof vacuum packaging to ensure zero damage during transit.

Logistics Partners: We partner with top-tier global logistics providers **(DHL / FedEx / UPS / SF Express)** to offer reliable shipping with real-time tracking.

Shipping Insurance: All shipments are fully insured to eliminate logistics risks.

4. Compliance & Certification

Strict Standards, Total Compliance

Quality Certification: Our manufacturing process is **ISO 9001 certified**, and our products comply with international standards such as **CE** and **RoHS.**

Export Compliance: "Committed to environmental responsibility, all our products comply with **RoHS 2.0** and **REACH** standards, ensuring safety and global compliance."

Explore Series

Model	Net weight	Overall dimensions	Testable sample area	Range of Temperature
UT1000S	1kg	120mm×140mm×52mm	Φ22mm	RT~1000°C
UT1200S	1kg	120mm×140mm×52mm	Φ16mm	RT~1200°C

📩 Get in touch with our team to explore configurations,request a quote,or learn more about customized solutions tailored to your needs.

Let us help you moves cience forward—faster and smarter.