

Polarizing Microscope

Venuslab PLM

Professional Transmission-Reflection Polarizing Microscope

- Stress-free flat-field objective + 360° polarizing device for high-precision polarization observation
- Trinocular tube: full light transmission photography, multi-accessory compatibility, observation-collection integration.



One Platform Many Possibilities

Contact Us sales@venuslabtech.com

Get a Quote



Get Expert Advice
+65 8099 5547



Visit Us
www.venuslabtech.com

Overview

A reliable choice for professional-grade polarized light observation

The Venuslab PLM series polarizing microscopes are the core products of the brand in the field of scientific research and testing. They are specifically designed for industries such as pharmacy, geology, metallurgy, and materials science, enabling precise fulfillment of professional needs such as crystal structure analysis, mineral identification, and metallographic structure observation. Relying on the brand's strict quality control system and advanced optical design, the products balance research-level precision with user-friendly operation. They are widely applicable to diverse scenarios including quality inspection in factories and mines, research and development in scientific institutions, and teaching in universities, providing users with stable and efficient polarizing observation solutions.

Features of Venuslab CFM

- Adjustable stage, smooth focusing and clear markings for easy use and less fatigue during long-term operation.
- Transmitted-reflected dual modes switchable for transparent/opaque samples, suitable for multi-industry testing.
- High-rigidity alloy body with dust-proof sealed optical components for long service life in high-frequency environments.
- Multiple interfaces compatible with imaging systems and constant temperature stages to meet personalized needs.
- Modular key components enable efficient cleaning and troubleshooting, reducing maintenance costs and downtime.

Model Table

VL PLM-260	Wide-field WF10X / Reticle Eyepiece 10X	Stress-free flat-field achromatic objectives (PL5X/10X/40X/60X)	1W LED (adjustable brightness)	150mm rotating type (360° indexing)
VL PLM-323	Wide-field WF10X / Reticle Eyepiece 10X	Stress-free flat-field achromatic objectives (PL1.5X/10X/40X/60X)	12V30W halogen lamp (adjustable brightness)	-
VL PLM-320	Wide-field WF10X / Reticle Eyepiece 10X	Stress-free flat-field achromatic objectives (PL4X/10X/40X/60X)	12V30W halogen lamp (adjustable brightness)	150mm rotating type (360° indexing)
VL PLM-100/200	Wide-field WF10X / Reticle Eyepiece 10X	Stress-free flat-field achromatic objectives (PL4X/10X/40X/60X, etc.)	6V20W halogen lamp (adjustable brightness)	150mm rotating type (360° indexing)
VL PLM-150/153/155	Wide-field WF10X / Reticle Eyepiece 10X	Stress-free flat-field achromatic objectives (PL4X/10X/40X/60X, etc.)	6V20W halogen lamp (adjustable brightness)	150mm rotating type (360° indexing)
VL PLM-135/135A	Wide-field WF10X	Achromatic objectives (4X/10X/40X/100X)	6V20W halogen lamp (adjustable brightness)	120mm rotating type (1350A: double-layer mobile stage)
VL PLM-145	Wide-field 10X	Achromatic/flat-field achromatic objectives (4X/10X/40X/100X, optional)	1W LED (adjustable brightness)	120mm rotating type

Service & 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	Eyepiece tube	Converter
VL PLM-260	Trinocular, tilted at 30°, capable of 100% light transmission photography	Four holes (with adjustable objective lens center)
VL PLM-323	The trinocular is tilted at 30°, allowing for 100% light-transmitting photography.	Four holes (the center of the converter is adjustable)
VL PLM-320	The trinocular lens is tilted at 30°, allowing for 100% light-transmitting photography.	Four holes (adjustable at the center of the converter)

 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 move science forward—faster and smarter.

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