



Description

The Vickers / Knoop Micro-Hardness Tester is designed for precise micro-hardness measurement of metals, alloys, ceramics, coatings, and thin sections. The system ensures accurate load application, high-resolution optical measurement, and repeatable test results in compliance with standard micro-hardness testing methods.

Technical Specifications

- **Test Methods:** Vickers (HV) / Knoop (HK)
- **Load Range:** Approx. 0.1 N to 50–100 N (or higher, as specified by the bidder)
- **Indenter Type:** Diamond pyramid indenter (Vickers / Knoop)
- **Load Application:** Stable, vibration-free (shot-free) load application mechanism
- **Dwell Time Control:** Adjustable dwell time with holding capability of 10–15 seconds
- **Optical System:**
 - High-resolution optical measurement microscope
 - High magnification with clear, sharp imaging for accurate indentation measurement
- **Measurement Accuracy:** High repeatability and precision suitable for micro-scale hardness evaluation

Applications

- Metallurgical analysis
- Heat treatment verification
- Coating and thin material testing
- Quality control and research laboratories

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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