

**Description:**

This optical measurement system is designed for precise angular deviation measurements using a microscope-based setup. Key features include:

- **Illuminated Scale:**

- Contains a small illuminated scale positioned in the focal plane of the objective lens (collimating lens).
- In its normal position, this scale is outside the view of the microscope.

- **Projection and Viewing:**

- The illuminated scale is projected as a parallel beam by the collimating lens into the field of view of the eyepiece.
- In the microscope's field of view, a fixed scale is positioned across the center of the screen.

- **Measurement Mechanism:**

- The reflected image of the illuminated scale is received at a right angle to the fixed scale.
- The two scales intersect within the field of view.

- **Angular Deviation Measurement:**

- The reading on the illuminated scale measures angular deviations from 90° to the optical axis.
- The reading on the fixed datum scale measures the deviation of the illuminated scale.

**Functionality:**

- **Precision Measurement:**

- Provides accurate measurement of angular deviations by comparing the intersection of the two scales.

- **Application:**

- Ideal for tasks requiring precise angular alignment and deviation measurement in optical setups.

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



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