

MICROMETERS

- **METROLOGY** micrometers come in brand new designs. Each model is uniquely made with new quality in innovations, function and precision. They are the ultimate market value you will find. We are confident that our products will fully satisfy your demand and earn your trust.
- Each of our brand new designed micrometers is developed in Taiwan. Innovated design combines with the workmanship of German parts. 100% quality control assurance is carried out in our calibration laboratory in Taiwan.
- Metrology micrometers are made with hardened cast iron and steel. Precision spindle, screw and measuring anvil are precision grinded and polished to ensure the requirements for absolute flatness, parallels, and rigidity.
- Each micrometer is calibrated based on the standards of ISO 2012, DIN 863 in Germany, JIS B7502 in Japan and JCC (Jingstone Calibration Center) in Taiwan. English certificates included.

EXTERNAL MICROMETERS ACCURACY STANDARDS

DIN 863

JIS B7502

| Measurement Length(mm) | Accuracy limits | Parallelism of the measuring face | | Deformation*2 | Flatness of Measuring face | Parallelism of measuring face | Instrument Error | Deflection of frame load of 10 N *2 | | | | | | |
|---------------------------|--------------------|--------------------------------------|----|---------------|----------------------------------|-------------------------------------|---------------------|---|-----|----|----|---|----|---|
| | | *1 | um | | | | | | | | | | | |
| 0-25 | 4 | 6 | 2 | 2 | 0.6 | 2 | ±2 | 2 | | | | | | |
| 25-50 | 4 | 6 | 2 | 2 | | | | 3 | ±3 | 3 | | | | |
| 50-75 | 5 | 10 | 3 | 3 | | | | | | 4 | ±4 | 4 | | |
| 75-100 | 5 | 10 | 3 | 3 | | 5 | ±5 | | | | | 5 | | |
| 100-125 | 6 | - | 3 | 4 | | | | | | | | 6 | ±6 | 6 |
| 125-150 | 6 | - | 3 | 5 | | | | | | | | | | 7 |
| 150-175 | 7 | - | 4 | 6 | | 8 | ±8 | | | 8 | | | | |
| 175-200 | 7 | - | 4 | 6 | | | | | | 9 | ±9 | 9 | | |
| 200-225 | 8 | - | 4 | 7 | | 10 | ±10 | 10 | | | | | | |
| 225-250 | 8 | - | 4 | 8 | | | | 11 | ±11 | 11 | | | | |
| 250-275 | 9 | - | 5 | 8 | 12 | ±12 | 12 | | | | | | | |
| 275-300 | 9 | - | 5 | 9 | | | 13 | ±13 | 13 | | | | | |
| 300-325 | 10 | - | 5 | 10 | 14 | ±14 | | | 14 | | | | | |
| 325-350 | 10 | - | 5 | 10 | | | 15 | ±15 | 15 | | | | | |
| 350-375 | 11 | - | 6 | 11 | 1 | ±16 | | | 16 | | | | | |
| 375-400 | 11 | - | 6 | 12 | | | 6 | ±17 | 17 | | | | | |
| 400-425 | 12 | - | 6 | 12 | 7 | ±18 | | | 18 | | | | | |
| 425-450 | 12 | - | 6 | 13 | | | 8 | ±19 | 19 | | | | | |
| 450-475 | 13 | - | 7 | 14 | 9 | ±20 | | | 20 | | | | | |
| 475-500 | 13 | - | 7 | 15 | | | 9 | ±21 | 21 | | | | | |

*1. Number of interference rings or lines

*2. Acceptable stability deformation from a measurement force of 10N

UNIT: 0.001mm