

## 0.2um Precision Optimeter

### Features:

#### Characteristics

- The minimum division value reaches 0.2 $\mu$ m, high in precision, can drive 4-grade block gauges.
- It can be used for the verification of high-precision plain plug gauges; thread plug gauges and precision sphere diameters.
- It is equipped with various worktables, convenient for replacement, in accordance with parts of different shapes.

### Usages:

#### Technical parameters:

- Range of measurement: 0-180mm
- Minimum graduation: 0.2 $\mu$ m
- Range of index plate:  $\pm 100$  graduations
- Indication error
- $\pm (0.05 + L/400)$   $\mu$ m, in which L means the range of comparative
- Indication stability: 0.02 $\mu$ m
- Measurement force: 1.20N $\pm$ 0.2N
- Size of working table
- Seven-grooved worktable: used for verification of thick block gauges and workpieces
- Spherical grooved worktable: used for verification of thin block gauges and workpieces
- Plane worktable: used for measurement of sphere diameters
- Moving bracket of block gauge: used for laying and moving the standard and the measured block gauges.
- Overall sizes of the instrument (mm): 320 $\times$ 230 $\times$ 820
- Mainframe weight: 30 kg