

JT24

φ 300 Digital Measuring Projector

Characteristics

- This instrument is in conformity with the design of update molding, compact in structures and convenient for operations.
- The highlight and long-life halogen tungsten lamps are adopted for the lighting source, homogeneous in lighting.
- Beautiful in its outward appearances, this instrument is of super-precision; casting aluminum is selected for the processing of worktables, light in weight.
- In high quality in its optical system, the objectives are clear in imaging and accurate in multiplying factors.
- The fiber transmission is adopted for the indirect lighting, which is small in dimensions, high in its brightness and convenient for uses.
- The two high-and-low adjustable light intensities for transmission and indirect lightings can be adaptable for measuring requirements of different workpieces.

Technical Parameters

Projection screen

Screen diameter: φ 300 mm

Rotation range: 0° ~ 360°

Resolution of the rotary angle: 1'

Accuracy of the rotary angle: 4'

Worktable

Worktable area: 326mm × 150mm

Range of X-coordinate: 0~200 (mm) Resolution: 0.001 (mm)

Range of Y-coordinate: 0~80 (mm) Resolution: 0.001 (mm)

Range of Z-coordinate (Focusing): 0~100 (mm)

Accuracy of the instrument: $(3+L/75) \mu m$, of which,

L = length of the work piece measured (unit: mm)

Load capacity of the worktable: 5kg



Lighting source

Transmission lighting: 24V 150W Halogen tungsten lamp

Indirect lighting: 24V 150W Halogen tungsten lamp

Objective

Magnification Power	10 ×	20 ×	50 ×	100 ×
Object Visual Field	φ 30mm	φ 15mm	φ 6mm	φ 3mm
Object Working Distance	75.201mm	69.599mm	26.990 mm	26.243
Errors of magnifying power	0.08%			

Operating environments: Room temperature is 20°C ± 5°C and the relative humidity does not exceed 60%.

Overall sizes of the instrument (mm): L/746 × W/420 × H/980

Mainframe weight: 105 kg