

CHARPY PROJECTOR

Charpy Impact Specimen U/V Notch Test

MODEL : RPP-250C



Instrumentation
since 1975



Calibration Report from ISO/IEC 17025 NABL Accredited Lab

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Charpy Profile Projector RPP-250C is designed as per requirement for impact sample gap, metal charpy impact test method. The instrument confirm to the test in U-Type and V-Type as per processing quality of impact specimen.

The comparison is directly visible on the 250mm optical glass screen at 50 times magnifications. These are strictly designed according to the ASTM E 23, IS 1499 - 1977, IS 1757 - 1988 standards.

The instrument magnifies the impact specimen gap's outline & projects it on to screen for comparing with standards. This helps to check whether the tested specimen gap is within tolerance or not as per International Standards. The comparison is directly visible & operation is very simple with high accuracy.

Its multilayer coated projection lens provide high transmission with optimum contrast on fine ground glass screen, rotatable through 360° with vernier reading to six minute of an arc. The screen has cross and detachable clips to hold drawings / comparator charts.

A precision micrometer measuring system with Rotary stage is mounted on the table. Circular graduated scale is divided into 360° in steps of one degree with vernier reading to 6 minutes. Lifelong smooth movement is ensured with the incorporation of hard steel balls both in longitudinal and transverse slides.

TECHNICAL SPECIFICATIONS



CE Marked

Magnification	: 50X (Standard)
Projection Screen	: 250 mm optical glass screen.
Field of View	: 5 mm in 50x magnification
X-Y-Z Displacement	: 40 x 40 x 40 mm table travel
Specimen Platform	: Size 160 x 300 mm (Interchangeable)
Cross Travel Stage	: X-Y Table size 125 x 125 mm Travel upto 40x40 mm Micro-Head Standard 0-25mm L.C.0.01mm Rotary stage glass diameter 62 mm.
Illumination	: Contour illuminator 24V/150W (Halogen) : A Green filter incorporated into the optical system, to reduce eye strain, improve contrast & eliminate any trace of residual chromatic aberration. The light source with halogen lamp offers increased contrast, extended life span and improved edge resolution. The lamp is cooled by turbine type silent fan.
Dimensions/Weight	: Nett 55x35x86 cm / 38 Kgs. Gross 74x46x 94 cm / 80 kgs.
Optional Accessories	: Digital Micrometers 0-25mm LC 0.001 mm., spare halogen bulbs, Objectives lenses 10x and 20x magnifications.

Manufacturers & Exporters :

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As we are continuously improving & developing our products, equipment supplied may be advanced in details than the description and/or illustrations shown in this Catalogue.