

PH-A14

SERIES 172 – Profile Projector

- Bench-top model that uses a horizontal optical system.
- Suitable for thread pitch measurements – blurred or distorted images will not be produced when workpiece is angled.
- Inverted image on the day-bright screen.
- 356 mm diameter protractor screen with cross hairs and staggered lines for easy alignment.
- Heavy-duty workpiece table incorporates linear scales for fast, accurate measurement.

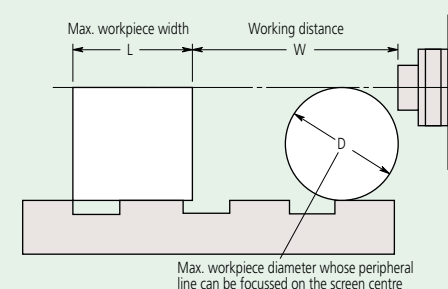
PH-A14



Technical Data

Projected image:	Inverted
Protractor screen	
Effective diameter:	356 mm (14")
Screen material:	Fine-ground glass
Screen rotation:	±360°, fine feed and clamp
Angle reading:	Vernier (graduation: 1')
Reference lines:	Cross hairs
Projection lens:	10X (172-011)
	Optional: 20X, 50X, 100X
Magnification accuracy	
Contour illumination:	±0.1% or better
Surface illumination:	±0.15% or better
Maximum workpiece height:	Refer to the projection capacity (H) below.
Contour illumination	
Light source:	Halogen bulb (24V, 150W)
Optical system:	Telecentric
Functions:	2-step (high/low) brightness switch linked to main power switch, heat-absorbing filter, cooling fan
Surface illumination	
Light source:	Halogen bulb (24V, 150W)
Optical system:	Vertical illumination
Functions:	Adjustable condenser lens, vertical/oblique surface illumination selectable linked to main power switch, heat-absorbing filter, cooling fan
Focussing:	Manual
Resolution:	0.001 mm or .0001"/0.001 mm (using optional KA counter)
Power supply:	100-240V AC, 50/60Hz
Mass:	140 kg

Projection Capacity



Unit: mm

SPECIFICATIONS

Model	PH-A14
Code No.	172-810-10E
XY stage travel range	200 x 100 mm
Measurement method	Linear encoder
XY stage top size	407 x 152.4 mm
Max. stage loading	45 kg
Price	£POA

	Magnification			
	10X	20X	50X	100X
View field	ø35.6	ø17.3	ø7.12	ø3.56
H	235	235	80	109
W	93	40	14.6	9.5
D	130	116	30.4	19