

PH-3515F

SERIES 172 – Profile Projector

- Bench-top model based on a horizontal optical system.
- Suitable for thread pitch measurements – blurred or distorted images will not be produced when workpiece is angled.
- Erect image on the day-bright screen.
- 353 mm diameter protractor screen with cross hairs and staggered lines for easy alignment.
- Digital angle measurement to 1' or 0.01°.
- Heavy-duty workpiece table incorporates linear scales for fast, accurate measurement.

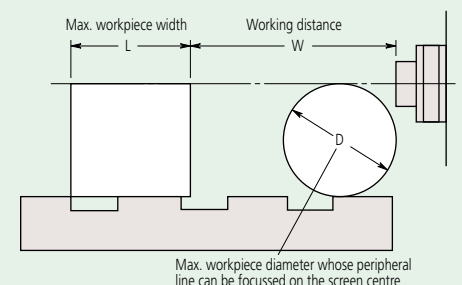
PH-3515F
with optional QM-Data200



Technical Data

Projected image:	Erect
Protractor screen:	
Effective diameter:	353 mm (13.9")
Screen material:	Fine-ground glass
Screen rotation:	±360°, fine feed and clamp
Angle reading:	Digital counter (LED)
	Resolution: 1' or 0.01° (switchable)
	Range: ±370°
	ABS/INC mode switching, Zero Set
Reference lines:	Cross hairs
Projection lens:	10X (172-184)
	Optional: 5X, 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, Heat-absorbing filter, Cooling fan
Surface illumination:	
Light source:	Halogen bulb (24V, 200W)
Optical system:	Vertical illumination
Functions:	Adjustable condenser lens, vertical/oblique surface illumination selectable, 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:	150 kg

Projection Capacity



Unit: mm

	Magnification				
	5X	10X	20X	50X	100X
View field	ø70.6	ø35.3	ø17.65	ø7.06	ø3.5
H	175	235	235	80	109
W	160 (64)	93 (35)	40	14.6	9.5
D	152.4	152.4	116	30.4	19

(): When using surface illumination

SPECIFICATIONS

Model	PH-3515F
Code No.	172-858E
XY stage travel range	254 x 152 mm
Measurement method	Linear encoder
Quick-release mechanism	X axis
XY stage top size	450 x 146 mm
Swivel function	±10°
Max. stage loading	45 kg
Price	£POA