

PH-3515F

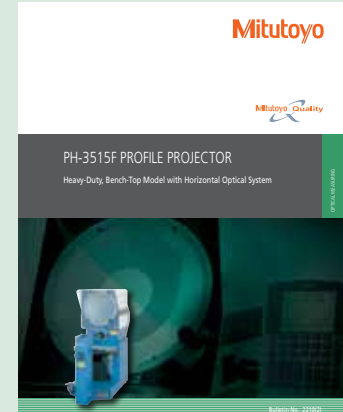
SERIES 172 — Profile Projector

FEATURES

- Benchtop model uses 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.
- Standard twin fiber-optic illumination.
- 14" (353mm) 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.
- Built-in linear scales for use with optional display counters.

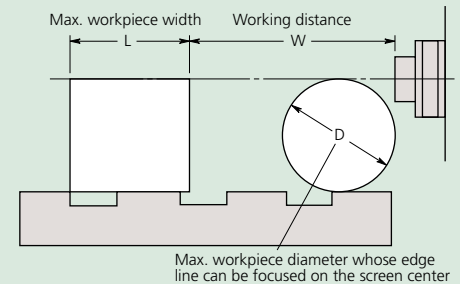


PH-3515F



Refer to Bulletin No. (2210) for more details.

Projection Capacity



PH-3515F

Unit: mm

	Magnification				
	5X	10X	20X	50X	100X
View field	70.6	35.3	17.65	7.06	3.5
L	175	235	235	80	109
W	160 (64)	93 (41)	40	14.6	9.5
D	152.4	152.4	116	30.4	19

() : When using surface illumination

Optional Accessories

172-145:	5X projection lens set
172-175:	5X projection lens
172-184:	10X projection lens set (standard accessory)
172-011:	10X projection lens
172-173:	20X projection lens set
172-165:	50X projection lens set
172-174:	50X projection lens
172-166:	100X projection lens set
172-116:	Standard scale (50mm)
172-117:	Standard scale (2")
172-118:	Reading scale (200mm)
172-161:	Reading scale (300mm)
172-119:	Reading scale (8")
172-162:	Reading scale (12")
172-286:	Green filter
515530:	Halogen bulb (24V, 150W) (standard accessory)
172-423:	Twin surface illumination
12BAAG37:	Halogen reflector lamp (standard accessory)
64AAB176:	Machine stand
383228:	Vinyl cover (standard accessory)

Fixture and Stage Accessories*

172-142:	Center support
172-143:	Center support riser
172-144:	Rotary vise (Max. workpiece dia.: 2.3" / 60mm)
172-234:	V-block with clamp (Max. workpiece dia.: 2" / 50mm)
172-132:	Vertical holder
172-001:	Tipped-saw support stand
172-002:	Cutter support stand

* See page I-13 for details



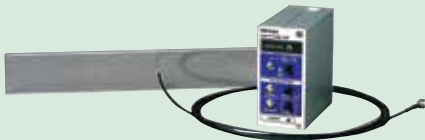
KA Counter (174-183A)

(Refer to page H-7 for more details.)
64AAB149: Counter stand



QM-Data200

2-D data processing unit.
264-155A: Stand mount type
264-156A: Arm mount type
(Refer to page I-25 for more details.)



332-151: Optoeye

Edge detection system for QM-Data200
12AAE671: Detector attachment (A)

SPECIFICATIONS

Model No.	PH-3515F	
Order No.	172-868A*	
Projected image	Erect image	
Protractor screen	Effective diameter	14" / 353mm
	Screen material	Fine ground glass
	Reference line	Cross hair line
	Screen rotation	±360°, fine feed and clamp
	Angle display (LED)	Resolution: 1' or 0.01° (switchable), Range: ±370°, Functions: Absolute/incremental mode switching, Zero set
Projection lens	Standard accessory: 10X (172-184), Optional accessories: 5X, 20X, 50X, 100X	
Magnification accuracy	Contour illumination	±0.1% or less
	Surface illumination	±0.15% or less
Contour illumination	Light source	Halogen bulb (24V 150W)
	Optical system	Telecentric system
	Functions	2-step brightness switch, Heat-absorbing filter, Cooling fan
Surface illumination (Optional accessories)	Light source	Halogen bulb (24V 150W)
	Functions	Adjustable condenser lens, Heat-absorbing filter, Cooling fan
XY Stage	Table travel (X-axis)	10" / 254mm
	Table size (X, Z)	17.7" x 5.7" / 450 x 146mm
	Vertical travel (Y-axis)	6" / 152mm
	Resolution	0.001mm / 0.0005"*
	Measuring Unit	Built-in Linear scale
	Max. workpiece width	See (L) on page I-10
	Max. workpiece load	100lbs / 45kg
	Power supply	120V AC, 50/60Hz
Mass	333lbs / 150kg	
Standard accessories	10X projection lens set, work stage, power cord, halogen bulb, tube fuse, grounding wire, allen wrench, Vinyl cover	

* Counter not included

DIMENSIONS

