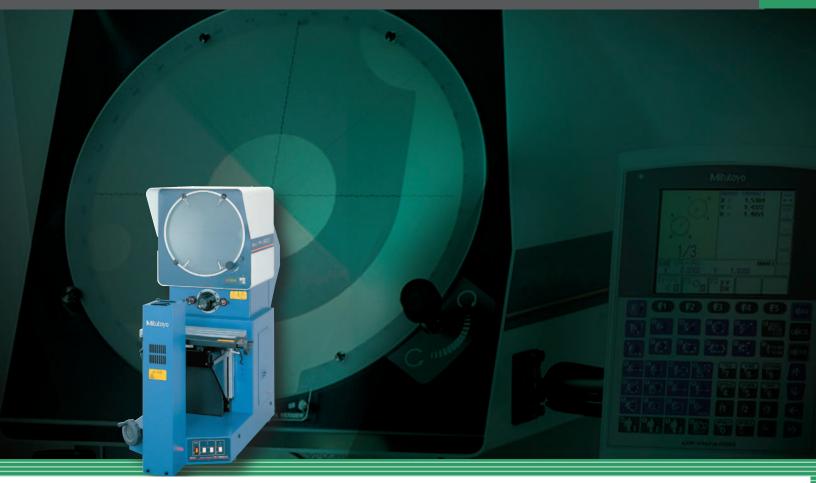




OPTICAL MEASURING

PH-3515F PROFILE PROJECTOR

Heavy-Duty, Bench-Top Model with Horizontal Optical System



Find Quality Products Online at:

www.GlobalTestSupply.com

sales@GlobalTestSupply.com

Mitutoyo

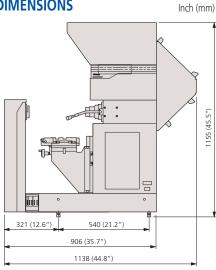
Mitutoyo introduces the PH-3515F

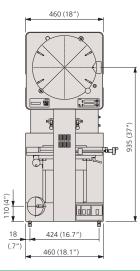
Profile Projectors that will meet any optical measuring or inspection challenge your shop can offer!

FEATURES

- Erect image on high brightness screen.
- 14" (353mm) dia. protractor screen with crosshairs and staggered lines for easy alignment.
- Digital angle measurement of 1' or 0.01° with built in angle counter.
- Floating-type workstage incorporates linear scales for fast, accurate measurement.
- Halogen contour illumination.
- Fiber-optic illumination cables and halogen included.
- Suitable for thread pitch measurements free from blurred or distorted images when the workpiece is angled.
- Wide range of accessories for varied applications.

DIMENSIONS





SPECIFICATIONS Model No. PH-3515F 172-868A Order No. 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 Contour illumination ±0.1% or less accuracy Surface illumination ±0.15% or less Contour illumination Halogen bulb (24V 150W) light source Optical system Telecentric system Functions 2-step brightness switch, Heat-absorbing filter, Cooling fan light source Halogen bulb(24V 150W) Surface illumination (Optional accessories) Functions Adjustable condenser lens. Heat-absorbing filter, Cooling fan Table travel (X-axis) 10" / 254mm Table size (X, Z) 17.7"x5.7" / 450x146mm Vertical travel (Y-axis) 6" / 152mm Resolution 0.001mm/.00005"* Built in Linear scale Measuring Unit XY Stage 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



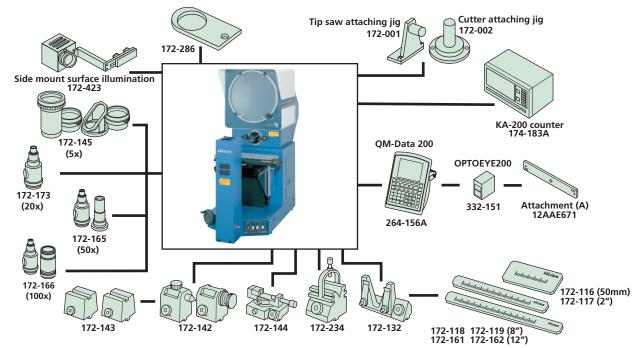
Find Quality Products Online at:

www.GlobalTestSupply.com

sales@GlobalTestSupply.com

Mitutoyo

SYSTEM DIAGRAM

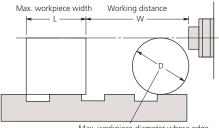


ACCESSORIES

Projection Lenses



Projection Capacity



Max. workpiece diameter whose edge

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 (35)	40	14.6	9.5
D	152.4	152.4	116	30.4	19
())))(here us				55.4	15

(): When using surface illumination

Find Quality Products Online at:

Workstage

XY range Y-axis (vertical travel): 6" (152mm)	X-axis (horizontal travel): 10" (254mm)	
Measuring unit	Linear Scale for each axis (AT100 Series)	
Display unit	(Optional)	
Stage size (WxD)	17.72 "x5.75" (450x146mm)	
Swivel range	±10° (30' readout)	
Max. workpiece load	99 lbs. (45kg)	
Dovetail groove	Two (Pitch= 1.69" (43mm)	
Focusing travel	2 " (50mm)	



KA-200 Counter: 174-183A 64AAB149: Counter stand



332-151: **Optoeye** Edge detection system for QM-Data 200 **12AAE671**: Detector attachment (A)

See page 4 for additional optional accessories

www.GlobalTestSupply.com

sales@GlobalTestSupply.com

Optional Accessories

172-184:	10X projection lens (standard accessory)
172-173:	20X projection lens
172-165:	50X projection lens set
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
512305:	Halogen bulb (24V, 150W) (standard accessory

Fixture and Stage accessories

172-142:	Center support
172-143:	Center support riser
172-144:	Rotary vise
172-234 :	(Max. workpiece dia.: 2.4" / 60mm) V-block with clamp (Max. workpiece dia.: 2" / 50mm)
172-132:	Vertical holder
64AAB176:	Machine stand 22 "W x 25" D x 26"H

Stand 64AAB176





Workpiece dia.: 120mm max

Center Support Riser

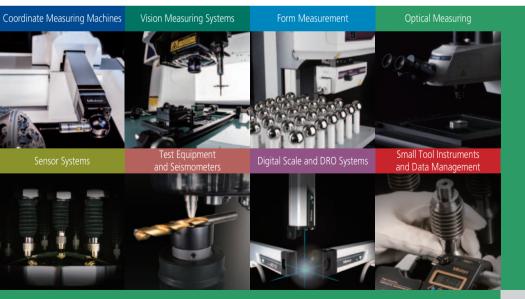


Widens the damping capacity of the center support to a maximum diameter of 240mm.



Set up a thin workpiece easily

Increases the screen sharpness of the contour image.



Whatever your challenges are, Mitutoyo supports you from start to finish.

Mitutoyo is not only a manufacturer of top-quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair,

Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.