



BEARING & TOOL CENTRE



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BLUE MICRON CALIBRATION CENTRE
(TRACEABLE TO NPL / NABL)

RELIEF SERVICE CENTRE
Removal of Jaw Error, Bore Gauge, Extension & Instrument Modifications and Spares

Quotation

179 Profile Projector

Type	Horizontal Profile Projector		Vertical	Edge detection		
Model No.	ISP- W3020	ISP-A3000E	ISP-AZ3020	ISP-A5000E	ISP- Z3015	ISP-A1000E
Screen Dia.	Ø300mm	Ø300mm	Ø300mm	Ø300mm	Ø300mm	Ø300mm
Make	Insize	Insize	Insize	Insize	Insize	Insize
Rs.	825922	1094227	709644	880369	576946	685946

Terms & Conditions –

- For Customers Within Gujarat - Plus 5 % vat .
- For Customers Outside Gujarat,
- 2% CST against C form for order value more than Rs. 10,000/-
- 5% CST without C form for order value less than Rs 10,000/-
- Delivery immediate or within 2 days / subject to availability in some cases.
- Payment against Proforma Invoice / Delivery.
- Warranty against mfg defect. Replacement / repair will take 2 – 3 months. Decision of the manufacturer will be final.

Bank Details

Name	Current Account no	Bank Name	Branch	IFSC NEFT code
Bearing and Tool Centre	08102 000 00 2689	Kotak Mahindra Ltd	Shivranjini , Satellite Road	KK BK 0000 810

Tax Details

GST no.	CST no	PAN no	TDS no
24070901229	24570901229	AA ZPM 6978 L	AHMU 01189 G

HORIZONTAL PROFILE PROJECTOR

Screen diameter: 300mm

X-Z travel: 200x100mm



ISP-W3020



ISP-A3000E

digital readout of ISP-A3000E

- touch buttons
- USB data output to Excel and CAD
- show diagram directly



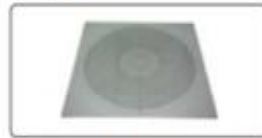

OPTIONAL ACCESSORY



lens



rotary table
(glass plate diameter 100mm)



overlay chart (protractor with 1°
graduation, radius with 1mm increment)



holder with clamp



swivel center support



V-block with clamp



50mm reading scale
(check magnification accuracy)



300mm calibration scale (check
magnification accuracy together
with 50mm reading scale or
calibrate measuring accuracy)



blue filter

















demo sample



printer (only for ISP-A1000E)

To be continued

SPECIFICATION

Code		ISP-Z3015	ISP-A1000E	
Edge detector		not included	included	
Lens	magnification	10X (included) 20X (optional)	50X (optional)	100X (optional)
	view field	Ø30mm	Ø15mm	Ø6mm
	working distance	77.7mm	44.3mm	38.4mm
Max. workpiece height		90mm	90mm	90mm
Magnification accuracy		±0.08%		
Image		erect image		
Projector screen		diameter: Ø300mm		
		rotation range: 0°~360°, resolution: 1° or 0.01°		
		reference lines: cross-hairs		
Stage	metal stage size	340×152mm		
	glass stage size	196×96mm		
	X-Y stage travel	range: 150×50mm		
		resolution: 0.5µm		
	Z (focus) travel range	accuracy: (4+L/25)µm L is the measuring length in mm		
max. load capacity	90mm			
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable		
		surface illumination: 24V/150W halogen lamp		
Data processing unit	display	X-Y stage travel, screen rotation		
	output	RS232C	RS232C, USB (data output to Excel and CAD)	
	function	 measure coordinate of point	 measure coordinate of point	
		 measure coordinate of line	 measure coordinate of line	
 measure center coordinate, radius of circle with three points		 measure center coordinate, radius of circle with three points		
 measure distance between two objects		 measure distance between two objects		
 measure angle with four points or two lines		 measure angle with four points or two lines		
 set origin of coordinate		 coordinate transform		
 coordinate transform		 choose measurement object automatically according to the selective point and display the result		
advanced function	—	Programming for batch measurements		
Power supply		110/220V, 50/60Hz		
Dimension (L×W×H)		550×770×1100mm		
Weight		135kg		

STANDARD DELIVERY

Main unit	1pc
10X lens with half-reflection mirror and oblique illuminator mirror	1pc
Overlay chart clip	4pcs
Foot-switch	1pc
Anti-dust cover	1pc
USB cable and software (only for ISP-A1000E)	1pc

OPTIONAL ACCESSORY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-Z3015-LENS20X	Swivel center support	ISP-Z3015-SUPPORT
50X lens with half-reflection mirror	ISP-Z3015-LENS50X	V-block with clamp	ISP-Z3015-VBLOCK
100X lens with half-reflection mirror	ISP-Z3015-LENS100X	50mm reading scale	ISP-Z3015-SCALE50
Rotary table	ISP-Z3015-TABLE	300mm calibration scale	ISP-Z3015-RULE
Overlay chart	ISP-Z3015-CHART	Blue filter	ISP-Z3015-FILTER
Holder with clamp	ISP-Z3015-HOLDER	Demo sample	ISP-Z3015-DEMO
		Printer (only for ISP-A1000E)	ISP-A1000-PRINTER

PROFILE PROJECTOR

Screen diameter: 300mm

X-Y travel: 200x100mm



ISP-AZ3020



ISP-A5000E

digital readout of ISP-A5000E

- Adjust the focus by ascending and descending the projector head, the stage doesn't move up and down
- Maximum workpiece weight 50kg

- touch buttons
- USB data output to Excel and CAD
- show diagram directly



OPTIONAL ACCESSORY



lens



overlay chart (protractor with 1° graduation, radius with 1mm increment)



50mm reading scale (check magnification accuracy)



300mm calibration scale (check magnification accuracy together with 50mm reading scale or calibrate measuring accuracy)


















demo sample



printer (only for ISP-A5000E)

To be continued

SPECIFICATION

Code		ISP-AZ3020	ISP-A5000E		
Edge detector		not included	included		
Lens	magnification	10X (included)	20X (optional)	50X (optional)	100X (optional)
	view field	Ø30mm	Ø15mm	Ø6mm	Ø3mm
	working distance	77.7mm	44.3mm	38.4mm	25.3mm
Max. workpiece height		100mm	100mm	100mm	100mm
Magnification accuracy		±0.08%			
Image		erect image			
Projector screen		diameter: Ø300mm			
		rotation range: 0°~360°, resolution: 1' or 0.01°			
		reference lines: cross-hairs			
Stage	metal stage size	404×228mm			
	glass stage size	260×160mm			
	X-Y stage travel	range: 200×100mm			
		resolution: 0.5µm			
	Z(focus) travel range	100mm			
max. load capacity	50kg				
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable			
		surface illumination: 24V/150W halogen lamp, brightness is adjustable			
Data processing unit	display	X-Y stage travel, screen rotation			
	output	RS232C		RS232C, USB (data output to Excel and CAD)	
	function	 measure coordinate of point	 measure coordinate of point		
		 measure coordinate of line	 measure coordinate of line		
		 measure center coordinate, radius of circle with three points	 measure center coordinate, radius of circle with three points		
 measure distance between two objects		 measure distance between two objects			
 measure angle with four points or two lines		 measure angle with four points or two lines			
 set origin of coordinate		 coordinate transform			
 coordinate transform		 choose measurement object automatically according to the selective point and display the result			
 set midpoint of coordinate					
advanced function	—		Programming for batch measurements		
Power supply		110/220V, 50/60Hz			
Dimension (L×W×H)		780×780×1100mm			
Weight		160kg			

STANDARD DELIVERY

Main unit	1pc
10X lens with half-reflection mirror and oblique illuminator mirror	1pc
Overlay chart clip	4pcs
Foot-switch	1pc
Anti-dust cover	1pc
USB cable and software (only for ISP-A5000E)	1pc

OPTIONAL ACCESSORY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-A5000-LENS20X	50mm reading scale	ISP-A5000-SCALE50
50X lens with half-reflection mirror	ISP-A5000-LENS50X	300mm calibration scale	ISP-A5000-RULE
100X lens with half-reflection mirror	ISP-A5000-LENS100X	Demo sample	ISP-A5000-DEMO
Overlay chart	ISP-A5000-CHART	Printer (only for ISP-A5000E)	ISP-A5000-PRINTER

PROFILE PROJECTOR

Screen diameter: 300mm

X-Y travel: 150x50mm



ISP-Z3015



ISP-A1000E

digital readout of ISP-A1000E

- touch buttons
- USB data output to Excel and CAD
- show diagram directly

OPTIONAL ACCESSORY



lens



rotary table
(glass plate diameter 100mm)



overlay chart (protractor with 1° graduation, radius with 1mm increment)



holder with clamp



swivel center support



V-block with clamp



50mm reading scale
(check magnification accuracy)



300mm calibration scale (check magnification accuracy together with 50mm reading scale or calibrate measuring accuracy)



blue filter


















demo sample



printer (only for ISP-A1000E)

To be continued

SPECIFICATION

Code		ISP-Z3015	ISP-A1000E
Edge detector		not included	included
Lens	magnification	10X (included) 20X (optional)	50X (optional) 100X (optional)
	view field	Ø30mm Ø15mm	Ø6mm Ø3mm
	working distance	77.7mm 44.3mm	38.4mm 25.3mm
Max. workpiece height		90mm 90mm	90mm 90mm
Magnification accuracy		±0.08%	
Image		erect image	
Projector screen		diameter: Ø300mm rotation range: 0°~360°, resolution: 1° or 0.01° reference lines: cross-hairs	
Stage	metal stage size	340×152mm	
	glass stage size	196×96mm	
	X-Y stage travel	range: 150×50mm	
		resolution: 0.5µm accuracy: (4+L/25)µm L is the measuring length in mm	
	Z (focus) travel range	90mm	
max. load capacity	4kg		
Illumination		contour illumination: 24V/150W halogen lamp, brightness is adjustable surface illumination: 24V/150W halogen lamp	
Data processing unit	display	X-Y stage travel, screen rotation	
	output	RS232C	RS232C, USB (data output to Excel and CAD)
Data processing unit	function	 measure coordinate of point  measure coordinate of line  measure center coordinate, radius of circle with three points  measure distance between two objects  measure angle with four points or two lines  set origin of coordinate  coordinate transform	 measure coordinate of point  measure coordinate of line  measure center coordinate, radius of circle with three points  measure distance between two objects  measure angle with four points or two lines  coordinate transform  choose measurement object automatically according to the selective point and display the result
		advanced function	 set midpoint of coordinate —
Power supply		110/220V, 50/60Hz	
Dimension (L×W×H)		550×770×1100mm	
Weight		135kg	

STANDARD DELIVERY

Main unit	1pc
10X lens with half-reflection mirror and oblique illuminator mirror	1pc
Overlay chart clip	4pcs
Foot-switch	1pc
Anti-dust cover	1pc
USB cable and software (only for ISP-A1000E)	1pc

OPTIONAL ACCESSORY

20X lens with half-reflection mirror and oblique illuminator mirror	ISP-Z3015-LENS20X	Swivel center support	ISP-Z3015-SUPPORT
50X lens with half-reflection mirror	ISP-Z3015-LENS50X	V-block with clamp	ISP-Z3015-VBLOCK
100X lens with half-reflection mirror	ISP-Z3015-LENS100X	50mm reading scale	ISP-Z3015-SCALE50
Rotary table	ISP-Z3015-TABLE	300mm calibration scale	ISP-Z3015-RULE
Overlay chart	ISP-Z3015-CHART	Blue filter	ISP-Z3015-FILTER
Holder with clamp	ISP-Z3015-HOLDER	Demo sample	ISP-Z3015-DEMO
		Printer (only for ISP-A1000E)	ISP-A1000-PRINTER