

# PB3600

specifications



<b>utilities</b>	<p><i>AC Input Power:</i> 100 to 240 Vac 50/60 Hz, Single Phase @ 15A service  <i>AC Fuse:</i> 10A @ 115 VAC; 5A @ 240 VAC  <i>Vacuum Supply:</i> Input: <math>\geq 25</math>" of Mercury  <i>Requirements:</i> Consumption: 3 SCFM  <i>Air Pressure:</i> None Required</p>	
<b>mechanical specifications</b>	<p><i>Physical Dimensions:</i> Height: 54" (137 cm)          Width: 63" (160 cm)          Depth: 43" (109 cm)          Weight: 759 lbs. (344 kg)          Tie Down: Earthquake Tie Down Provided          Portability: 12 Rolling Casters &amp; 8 Heavy-Duty Rubber Feet Provided</p> <p><i>Wafer / Measurement Stage:</i> Diameter: 11" X 9.5" Semi-Round          Flatness: 0.0002" TIR          Planarity Test Area: 12" x 8"          Raised Isolation Pin: 3 mil Std. (1-5 mil optional) Customer Changeable          Flush Isolation Pin: 3 mil Std. (1-5 mil optional) Customer Changeable          No. of Isolation Pins / Chuck: 3 Different Size or Type Isolation Pins at the Same Time          Gram Force Pin: 3 mil Std. (1-5 mil optional) Customer Changeable          Max Total Probe Tip Force: 220 lb. (100 kg)          Travel: X = 12" (30.5 cm), Y = 8" (20.3 cm), Z = 0.75" (1.9 cm)</p> <p><i>Test Channel Multiplexer:</i> Type: Solid State, Kelvin Connections, Cableless, RID MUX          Size/Modularity: Up to 3072 Channels in 64 Channel Increments          Each channel can be software selected to be either a test channel or relay drive channel.</p> <p><i>Hinged Probe Card Adapter:</i> Accommodates: Various ITC Motherboards &amp; Flipping of Probe Card for Repair          Operation: Motorized Elevator</p> <p><i>Video System:</i> Alignment Resolution: 0.1 micron          Type: B/W          No. of Probes / Capture: 1 - Single Pin, 4-12 - Multi-Pin Capture (Pitch Dependent)          Min. Probe Size: 0.2 mil          Max. Probe Size: 10 mils          Upper Video: Live Upper Video Standard</p>	
<b>pc computer</b>	<p><i>Standard Hardware:</i> Processor: Pentium P4, <math>\geq 3.0</math> GHz Industrial Computer          Operating System: Windows 2000 or XP Pro w/ODBC Database for Programs &amp; Data          Hard Drive: <math>\geq 80</math> Gb          Memory: <math>\geq 512</math> MB PC 100          Peripherals: 3.5" Floppy, CD-RW ROM          Monitor: High Resolution 19" Color LCD, CE Approved          I/O: Ethernet Card, 1 Serial Port, 1 Parallel Port, &amp; USB</p>	
<b>measurement system</b>	<p><i>Number of Channels:</i> (4-Wire Kelvin Measurement) Standard: 1536          Optional: Up to 3,072          Maximum Signal Pins: 3,072          Maximum Total Pins: 10,000</p> <p><i>Compliance Voltage:</i> DC Test Software Adjustable from 3 to 10 Volts DC</p> <p><i>Components:</i> Resistors: Serial &amp; Parallel          Capacitors: Parallel</p>	
<b>environmental requirements</b>	<p><i>Ambient Temperature:</i> Operating: 68°F +10°F/-5°F (20°C +6°C/-3°C)          Highest Accuracy &amp; Repeatability: 68°F <math>\pm</math> 2°F (20°C <math>\pm</math> 1°C)          Storage: 20°F - 102°F (-6°C - 39°C)</p> <p><i>Cleanliness:</i> Recommended: Class 10,000 (or better) Clean Room</p> <p><i>Humidity:</i> (Non-condensing) Operating: 0% - 70% RH          Storage: 0% - 80% RH</p>	
<b>motherboards</b>	<p><i>Weight:</i> Motherboard: Approx. 25 lb. (11.4 kg)          Retainer: Approx. 17 lb. (7.7 kg)          Max. Probe Card Dia.: 19" (45.7 cm)          Edge Cards: 4" to 8" (10 to 20 cm)          Tools Req'd to Change Card: None          Coupling: Repeatability Kinematic Coupling          Calibration: Adjustable Planarity to 0.1 mil (2.54 microns)</p>	

Note: Specifications are subject to change without notice.

F.S. = Full Scale of the Given Range

RDG = % of Reading

## FSA-TECHNOLOGY INC.

Unit 2ARLI Bldg., South Point, Banay-banay Cabuyao  
 City Laguna, Philippines 4025  
 Tel #: +63 49 5446972 Email: fsasales@fsa-tech.com

spec sheet

# PB3600

specifications



<b>general</b>	<i>Compliance Standards:</i>		Semi S2-93 & S2-93A	Standard		
	<i>Safety Guidelines:</i>		Semi S8-95 Ergo Guidelines:	Standard		
		<i>CE Mark:</i>		Standard		
		<i>Other Standards:</i>		ANSI/RIA R15.06-1992 (Robotic Safety), NIST Q, ASTM 5, FCC 47, EMC Directive 89/336/EEC, EN 50082-1:1992 (ESD), EN 55022:1988 (Emissions), EN 60555-2:1992 (Harmonics)		
		<i>NIST Traceability:</i>		EN 61000-3-3:1996 (Flicker)		
				Optional		
<b>accuracy specification</b>	<b>Test</b>	<b>Range</b>	<b>Forcing</b>	<b>Compliance</b>	<b>Resolution</b>	<b>Accuracy (±)</b>
<b>electrical measurements</b>	<b>Resistance</b>	0 - 1Ω	7 mA	10V	0.00004Ω	1% F.S. + 0.001Ω
		0 - 10Ω	7 mA	10V	0.0004Ω	1% F.S. + 0.010Ω
		0 - 100Ω	7 mA	10V	0.004Ω	0.5% F.S. + 0.100Ω
		0 - 1kΩ	7 mA	10V	0.04Ω	0.5% F.S. + 1.000Ω
		0 - 10kΩ	0.9 mA	10V	0.347Ω	0.5% F.S. + 10.00Ω
		0 - 100kΩ	10V	1mA	3.125Ω	0.5% F.S. + 100.0Ω
		0 - 1MΩ	10V	10μA	31.25Ω	0.5% F.S. + 1kΩ
		0 - 10MΩ	10V	10μA	312.5kΩ	1% F.S. + 10kΩ
		0 - 100MΩ	10V	10μA	3125kΩ	1% F.S. + 100kΩ
		<b>Leakage</b>	0 - 1μA	10V	10μA	30pA
	0 - 10μA		10V	10μA	300 pA	0.1% RDG + 0.010μA
	0 - 100μA		10V	10μA	3,000 pA	0.1% RDG + 0.10μA
	0 - 1000μA		10V	10μA	30,000 pA	0.1% RDG + 1.0μA
	<b>Capacitance</b>	10nF	100μA	10V	10pF	1% F.S. + 10pF
		100nF	100μA	10V	100pF	1% F.S. + 100pF
		1μF	1 mA	10V	1nF	1% F.S. + 1nF
		10μF	1 mA	10V	10nF	1% F.S. + 10nF
		100μF	10 mA	10V	100nF	1% F.S. + 100nF
		1,000μF	10 mA	10V	1μF	1% F.S. + 1μF
		10,000μF	10 mA	10V	10μF	1% F.S. + 10μF
> 10,000μF		Contact Factory for Specifications				
<b>accuracy specification</b>	<b>Test</b>	<b>Travel</b>	<b>Load</b>	<b>Resolution</b>	<b>Accuracy (±)</b>	<b>Repeatability (±) 3σ</b>
<b>physical measurements</b>	<b>Planarity</b>	0.75" (Z)	100 lbs.	0.1 micron	2.0 micron (0.08 mils)	1.0 micron (0.04 mil)
	<b>Alignment</b>	12" x 8" (X x Y)	100 lbs.	0.1 micron	2.0 micron (0.08 mils)	1.2 micron (0.05 mil)
		<b>Range</b>	<b>Compliance</b>	<b>Resolution</b>	<b>Accuracy (±)</b>	<b>Repeatability (±) 3σ</b>
<b>physical measurements</b>	<b>Gram Force</b>	0 - 30 gram	30 gram	0.1 gram	1% F.S. + 0.1 gram	0.15 grams
		0 - 60 gram	60 gram	0.2 gram	1% F.S. + 0.2 gram	0.30 grams

Note: Specifications are subject to change without notice.

F.S. = Full Scale of the Given Range

RDG = % of Reading

## FSA-TECHNOLOGY INC.

Unit 2ARLI Bldg., South Point, Banay-banay Cabuyao  
 City Laguna, Philippines 4025  
 Tel #: +63 49 5446972 Email: fsasales@fsa-tech.com

spec sheet