

# PA200DSP BlueRay Probe System

This guide contains information to help prepare your facility for the arrival of your PA200DSP BlueRay probe system.

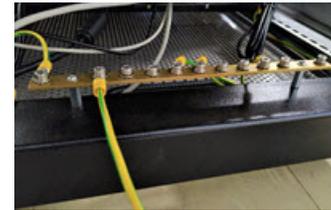


**NOTE**

Facility requirements for thermal systems are listed separately. See the Facility Planning Guide specific to your thermal system for details.

## Probe Station Requirements

<b>Air and Vacuum</b>	Vacuum	<ul style="list-style-type: none"> <li>• Less than 200 mbar absolute</li> <li>• Flow rate insignificant</li> <li>• 8 mm hose (US 5/16-inch)</li> </ul>
	Compressed air for vibration isolation table	<ul style="list-style-type: none"> <li>• Filtered, dry and oil-free</li> <li>• Minimum 4 bar to 8 bar maximum (58 to 116 psi) maximum</li> <li>• Flow rate insignificant</li> <li>• 8 mm hose (US 5/16-inch)</li> </ul>
<b>Power</b>	Probe station	• 100–240 V AC nominal, 50-60 Hz, 900 VA
	Protection class	• I (IEC 61140)
	Transient overvoltage	• Overvoltage category II (IEC 60364-4-443)
	Main connector–North America	Grounded IEC appliance inlet C14, according to IEC 60320,UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70°C, 10 A, protection class I. A region dependent power cord connects IEC C14 to common local power plug 1 (phase, grounded).
	Main connector–Europe	Grounded IEC appliance inlet C14, according to IEC 60320,UL 498, CSA C22.2 no. 42 (for cold conditions) pin-temperature 70°C, 10 A, protection class I. A region dependent power cord connects IEC C14 to common local power plug (1 phase, grounded).
	Fuse for main connector	Ensure that a 16 A lead fuse is available in your facility power line where the main connector is plugged in.
	Separate ground connection (PE)	<ul style="list-style-type: none"> <li>• Fixed wiring between probe station ground rail and facility</li> <li>• PE terminal with ring cable lug/screw terminals</li> <li>• Wire according to IEC60332/UL2556</li> <li>• AWG12/4 mm<sup>2</sup>; isolation color: gn/ye</li> <li>• Length: ≤5 m (17 ft.)</li> </ul>
<b>Environmental Conditions</b>	Humidity	<ul style="list-style-type: none"> <li>• Tool area: 25% to 60%</li> <li>• Support equipment area: 25% to 60%</li> </ul>
	Temperature	<ul style="list-style-type: none"> <li>• Operating range: 19°C to 24°C</li> <li>• Target temperature: 22°C</li> </ul> <p><b>NOTE</b>   Keep electronics rack side ventilators and air expellers clear for air circulation.</p>
	Pollution level	• 1 (IEC 60664)
	Clean room class	• Class 6 corresponding to DIN EN ISO 14644-1
	Tolerance	• 1K
	Vibrations	The facility should be free of vibrations caused by other equipment.
	<b>Reliability</b>	MTBF 3000 h; MTTR 24 h; availability 99%



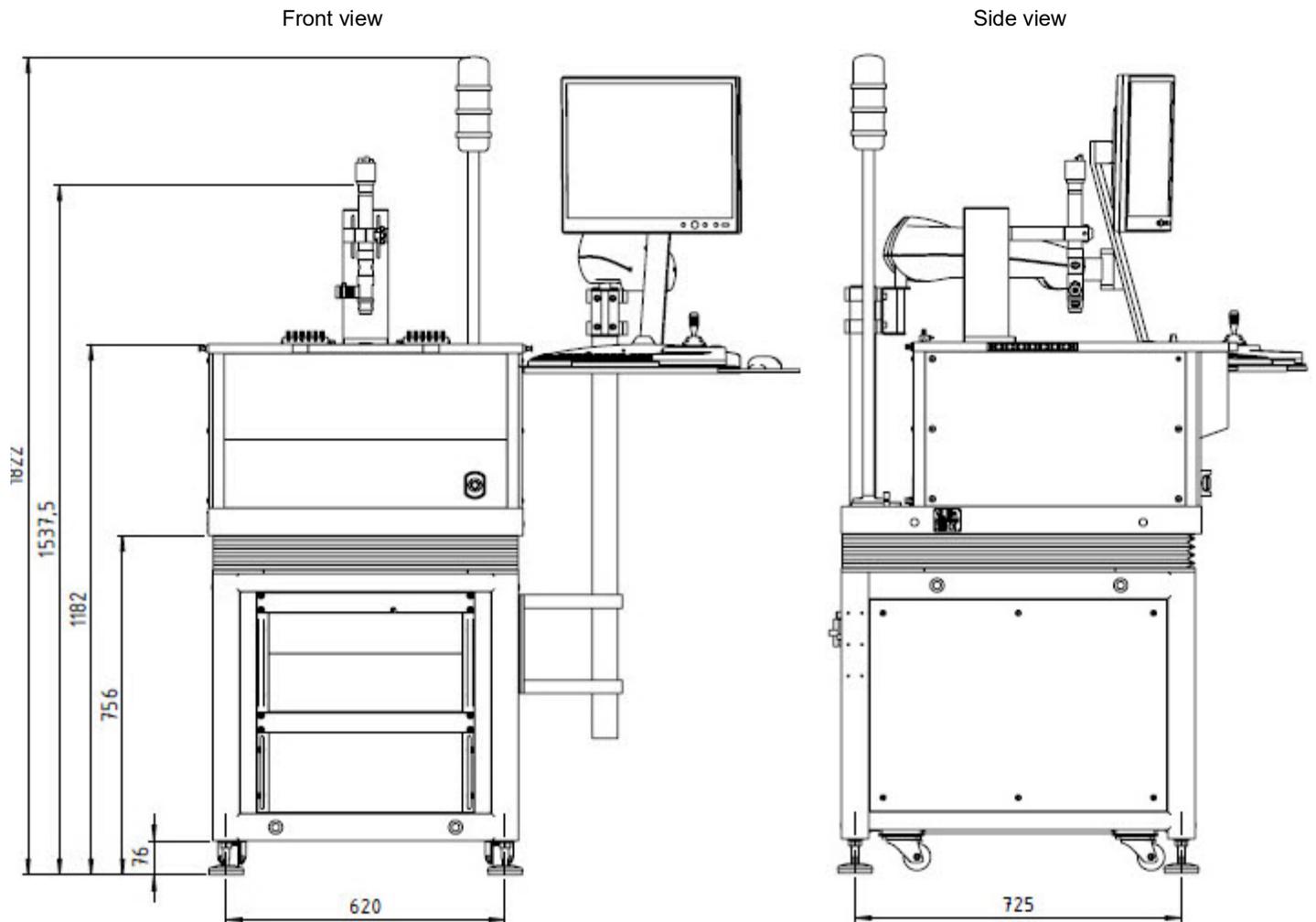
# PA200DSP BlueRay Probe System

<b>Dimensions</b>	Station + accessories	<ul style="list-style-type: none"> <li>• 700 x 908 x 1182 min./1822 max. mm (27.6 x 35.7 x 46.5 min./71.7 max. inches)</li> <li>• Additional height added by optional accessories such as cameras can add up to a maximum of 900 mm (35.4 inches).</li> </ul>	
	Additional clearance	Front	• 800 mm (31.5 inches)
		Back	• 200 mm (7.9 inches) for cables
		Left	• 600 mm (23.6 inches) during installation or service
		Right	
	Top	• 2500 mm (98.4 inches)	
	Optional instrument shelf	<ul style="list-style-type: none"> <li>• Left side configuration: additional 95 mm (3.7 inches) required at left side, plus 640 mm (25.2 inches) clearance for pivot arm</li> <li>• Rear side configuration: additional 123 mm (4.8 inches) required at rear, plus 230 mm (9.1 inches) front side clearance for pivot arm</li> </ul>	
Electronics rack	• 450 x 400 x 230 mm (17.7 x 15.7 x 9.1 inches), with connectors installed		
Joystick controller	• 280 x 250 x 140 mm (11.0 x 9.8 x 5.5 inches), with connector installed		
Control PC	• Optionally integrated in VIT		
<b>Weight</b>	Station (with vibration isolation table)	• 360 kg (794 pounds)	
<b>Shipping Dimensions (WxDxH)</b>	Probe station crate	• 1310 x 1310 x 1780 mm (51.6 x 51.6 x 70.1 inches)	
	Accessories	• 80 x 120 x 75/97mm (3.1 x 4.7 x 3.0/3.8 inches)	
<b>Shipping Weight</b> (approx. values)	Probe station crate	• 550 kg (1213 pounds)	
	Accessories	• 200 kg (441 pounds)	

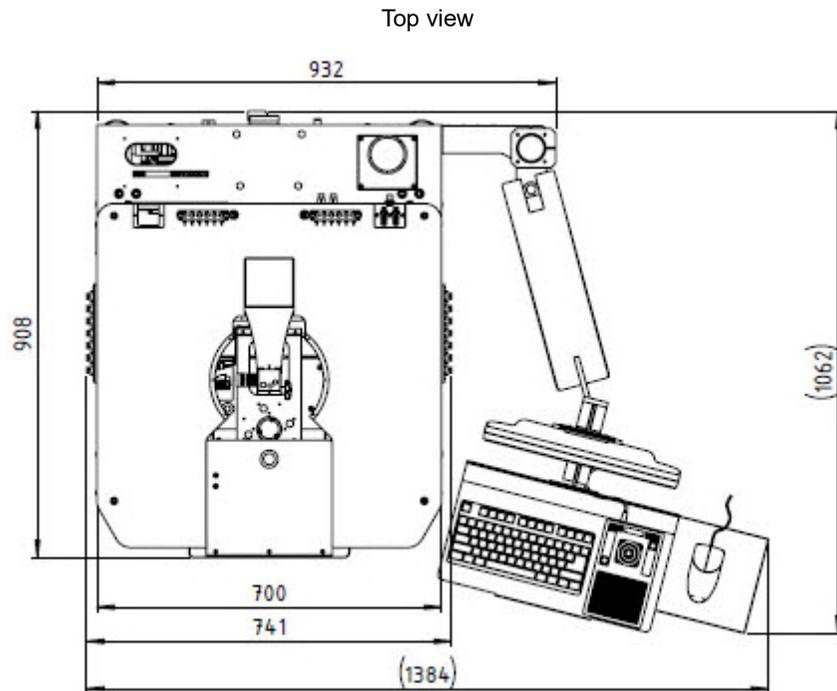
\* Standard Ambient Temperature And Pressure (SATP)

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## Dimensions (mm)



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