

PA300 Probe System

This guide contains information to help prepare your facility for the arrival of your PA300 probe station.



NOTE

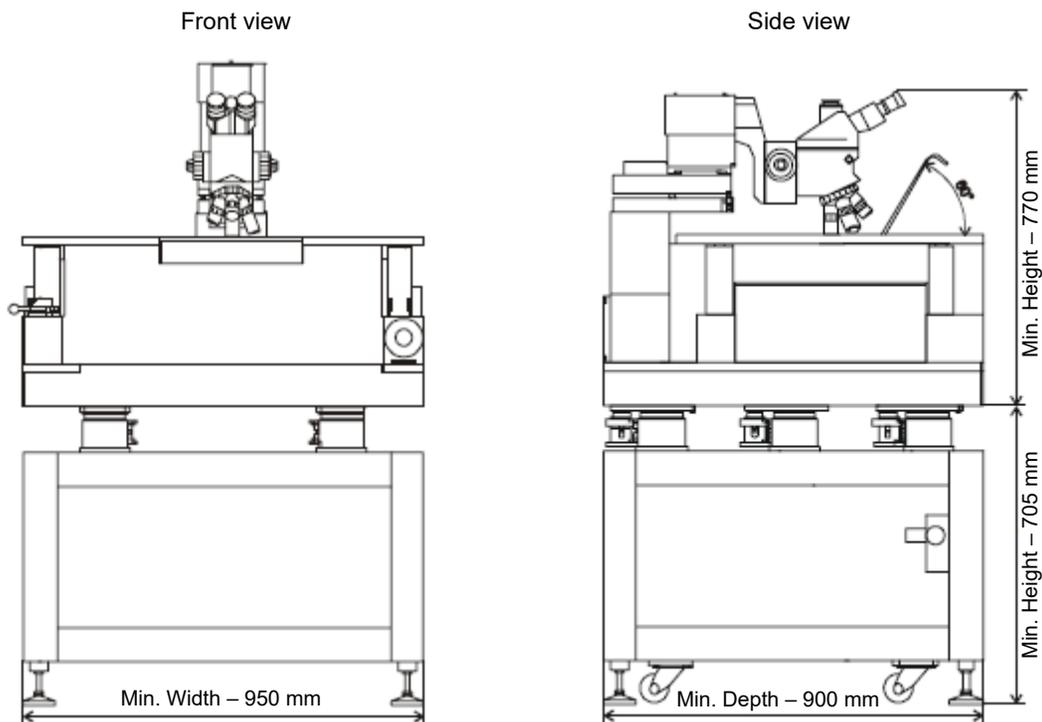
Facility requirements for thermal systems are listed separately. See the Facility Planning Guide specific to your thermal system for details.

Probe Station Requirements

Air and Vacuum	Vacuum	<ul style="list-style-type: none"> Less than 200 mbar absolute Flow rate insignificant 8 mm (5/16-inch) hose (6 mm and 1/4-inch adapters included)
	Compressed air for Vibration Isolation Table	<ul style="list-style-type: none"> Filtered, dry and oil-free Minimum 4 bar to 6 bar maximum Flow rate insignificant 8 mm (5/16-inch) hose (6 mm and 1/4-inch adapters included)
Power	Power supply	100–240 V AC nominal, 50/60 Hz, 900 VA
	Protection class	I (IEC 61140)
	Transient overvoltage	Overvoltage category II (IEC 60364-4-443)
	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.
Environmental Conditions	Humidity	<ul style="list-style-type: none"> Tool area: 25% to 60% Support equipment area: 25% to 60%
	Temperature	<ul style="list-style-type: none"> Operating range: 19° C to 24° C Target temperature: 22° C
		<p>NOTE</p> <p> 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.
Dimensions	Station + accessories	<ul style="list-style-type: none"> 950 mm x 900 mm x 770 mm, with microscope in raised position Additional height added by optional accessories such as cameras and laser cutters can add up to a maximum of 900 mm
	Electronics Rack	450 mm (W) x 400 mm (D) x 230 mm (H), with connectors installed
	Joystick controller	280 mm (W) x 250 mm (D) x 140 mm (H), with connector installed
	ShieldEnclosure (SE1200)	<ul style="list-style-type: none"> 1250 mm x 1247 mm x 1415 mm Extra space will be required for access to the facility.
	PC table	Extra space is required for the PC next to the probe system.
	Vibration isolation table	For dimensions and points of support, see dimension drawings.
Weight	Station (with vibration isolation table)	660 kg (760 kg)
Shipping Dimensions and Weight (approx. values)	Probe station box	<ul style="list-style-type: none"> Dimensions: 1250 mm x 1320 mm x 1200 mm Gross weight: 780 kg
	Accessories box	<ul style="list-style-type: none"> Dimensions: 1200 mm x 800 mm x 800 mm Gross weight: approx. 80 kg
	Vibration isolation table box	<ul style="list-style-type: none"> Dimensions: 1000 mm x 1050 mm x 960 mm Gross weight: approx. 125 kg

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Dimensions (in mm)



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Corporate Headquarters

7005 Southfront Road
Livermore, CA 94551
Phone: 925-290-4000
www.formfactor.com

