

AP200 BlueRay Probe System with Loader

Facility Planning Guide


This guide contains information to help prepare your facility for the arrival of your AP200 BlueRay probe system with loader.



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 hose (US 5/16-inch)
	Compressed air for vibration isolation table	<ul style="list-style-type: none">• Filtered, dry and oil-free• Minimum 4 bar to 8 bar (58 to 116 psi) maximum• Flow rate insignificant• 8 mm hose (US 5/16-inch)
	For detailed information on thermal system requirements, refer to the ATT thermal facility planning guide for your configuration.	
Power	Probe station	• 100–240 V AC nominal, 50–60 Hz, 900 VA (additional 500 VA required for MHU200)
	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	16 A lead fuse
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
	 NOTE Keep electronics rack side ventilators and air expellers clear for air circulation.	
	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.
Reliability	MTBF 3000 h; MTTR 24 h; availability 99%	

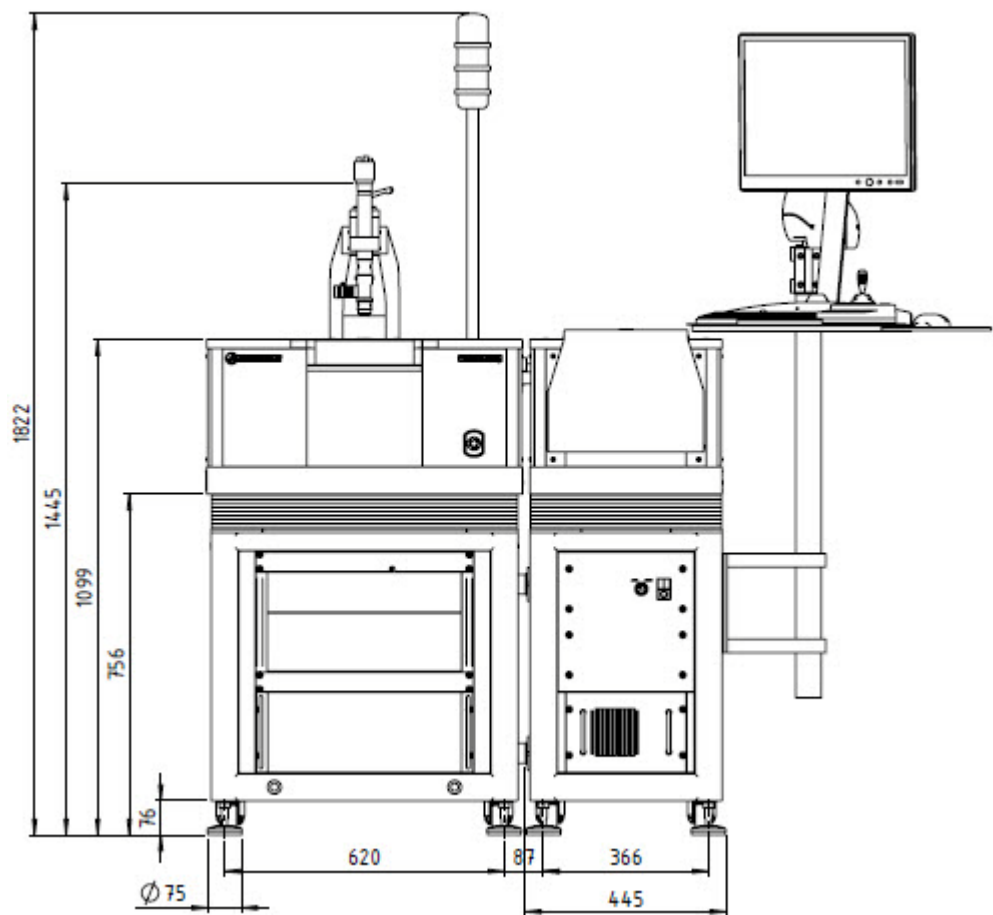
AP200 BlueRay Probe System with Loader

Dimensions (W x D x H)	Probe station (with MHU200)	• 1143 x 904 x 1120 min./1822 max. mm (45 x 35.6 x 44.1 min./71.7 max. inches)
	Electronics rack	• 450 x 400 x 230 mm (17.7 x 15.7 x 9.1 inches), with connectors installed (option to integrate in rack)
	Joystick controller	• 280 x 250 x 140 mm (11.0 x 9.8 x 5.5 inches) (can be mounted to external control console)
	Control PC	Optionally integrated in VIT
	Vibration isolation table	For dimensions and support points, see Dimensions (in mm) on page 3.
	Optional instrument shelf	<ul style="list-style-type: none"> • Left side configuration: additional 95 mm (3.7 inches) required at left side, plus 640 mm (25.2 inches) clearance for pivot arm • Rear side configuration: additional 123 mm (4.8 inches) required at rear, plus 230 mm (9.1 inches) front side clearance for pivot arm
	Additional clearance	<div>Front • 800 mm (31.5 inches) for operator/installation</div> <div>Back • 200 mm (7.9 inches) for cables</div> <div>Left • 600 mm (23.6 inches) during installation or service</div> <div>Right</div> <div>Top • 2500 mm (98.4 inches)</div> <p>Depending on your system configuration, an additional table may be required for the thermal system controller. The thermal system cooling units may require additional space.</p>
Weight	Probe station (with vibration isolation table)	• 360 kg (794 pounds)
	MHU200	• 240 kg (529 pounds)
Shipping Dimensions (W x D x H) (approx. values)	Probe station crate	• 1310 x 1310 x 1780 mm (51.6 x 51.6 x 70.1 inches)
	MHU200 crate	• 860 x 1240 x 1470 mm (33.9 x 48.8 x 57.9 inches)
	Accessories	• 80 x 120 x 75/97 mm (3.1 x 4.7 x 3.0/3.8 inches)
Shipping Weight (approx. values)	Probe station crate	• 550 kg (1213 pounds)
	MHU200 crate	• 350 kg (772 pounds)
	Accessories	• 200 kg (441 pounds)

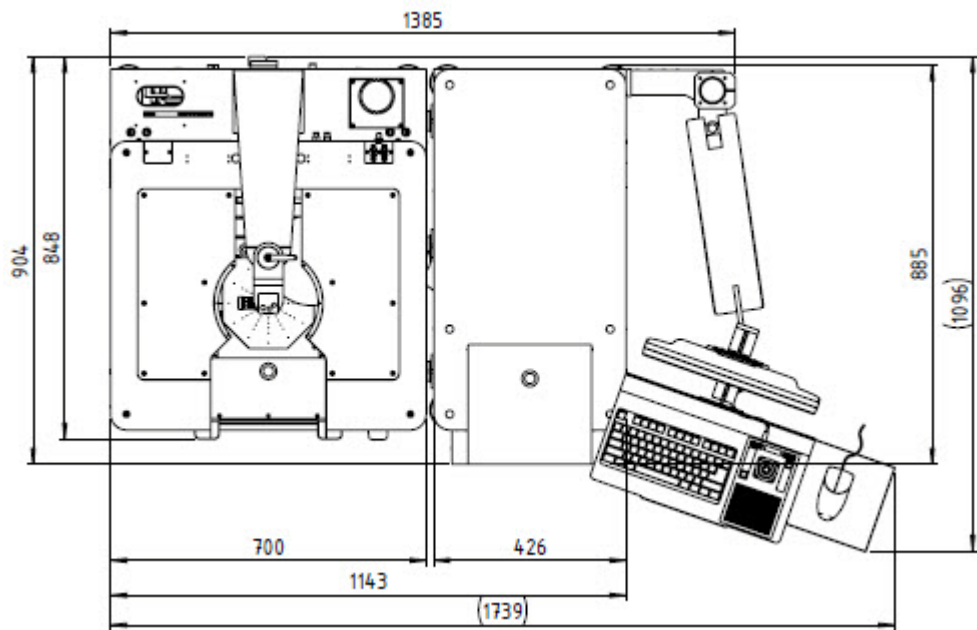
AP200 BlueRay Probe System with Loader

Dimensions (in mm)

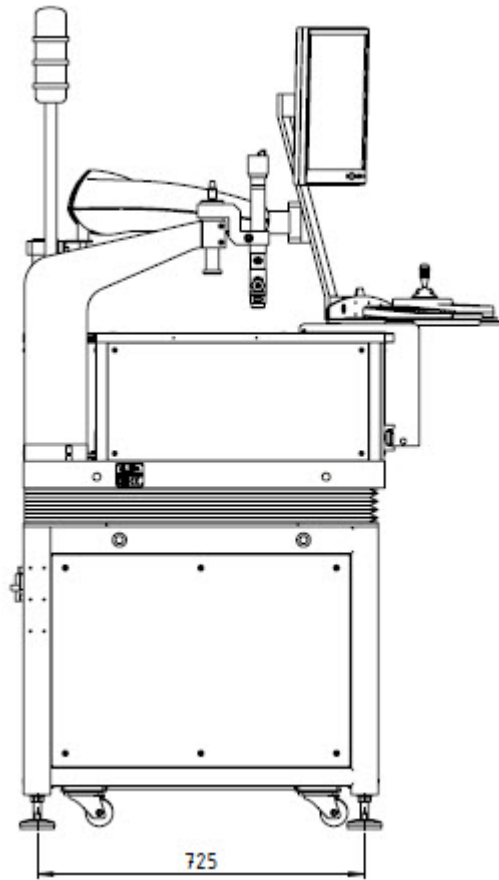
Front view



Top view



Side view



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