

CAB₁ – BASE CABINET 1



Features

- Can fit up to 6 function specific modules
- Includes power supply for all available modules
- USB Virtual COM port, Ethernet (LAN) and RS-422
- Host independent platform
- Suitable for CADM, RSM, OEM, PSM, EDM
- 19" rack mountable desktop case
- Support for multiple cabinets
- Available for 115VAC or 230VAC mains

Description / Applications

The Cryo Positioning Systems Controller 1 is a modular controller system for JPE's cryogenic compatible positioners, actuators and stages. This controller consist of a 19" desktop Base Cabinet (CAB₁) that can fit up to 6 function specific modules. The CAB₁ includes a Power Supply Unit as well as a USB Virtual COM, Ethernet LAN and RS-422 interface that enables direct communication by sending simple ASCII string text commands from virtually any host that supports these interfaces (host independent).

Specifications

General info	
Number of slots	6
Dimensions	L=470mm, H=140mm, D=360mm
Weight (without modules)	6500 g
Supported mounting options	19" / 3U rack mountable
Mains input voltage	<i>(see model specific information)</i>
Power consumption	260W(max) <i>(depends on number of installed modules)</i>
Power supply input connector	IEC inlet, fused <i>(includes a suitable power supply cable with either EU or US plug, length ca. 2.5m)</i>
Communication interfaces	USB Virtual COM, Ethernet (LAN), RS-422 <i>(includes a suitable USB A to B cable with length ca. 3.0m. Ethernet (LAN) or RS-422 cable not supplied)</i>
Model specific information	
-115	Mains input voltage 115VAC, 50Hz/60Hz
-230	Mains input voltage 230VAC, 50Hz/60Hz

Ordering Information

Available models

CAB ₁ -115	Base Cabinet, 115 VAC, direct serial communication
CAB ₁ -230	Base Cabinet, 230 VAC, direct serial communication

Available Options

None

Accessories

None

Mechanical and electrical information

Download 3D step files and manuals from:
<https://www.jpe-innovations.com/cryo-nano-products/>

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<https://www.jpe-innovations.com/contact/>