

General Specifications		
Control PC (part of the configuration)		<ul style="list-style-type: none"> Intel Celeron 1.83GHz CPU 4 GB RAM 15.6" touchscreen 80 GB SSD Interfaces: RS232, USB, Ethernet Embedded Windows 7 OS
Physical Characteristics	Dimensions (L × W × H)	1630 mm × 980 mm × 1400 mm (shipping size, without crate) 1950 mm × 980 mm × 2040 mm (when fully set-up)
	Weight	Approx. 500 kg uncrated, 540 kg crated as shipped
Mechanical Specifications	Number of Cold Plates	2 (Note: the left-hand side cold plate must be connected to a thermostat. It is possible to attach an external cold plate to the water system using T-valve.)
	Size of Cold Plates	400 mm × 300 mm
	Pipe Branch Size (Water)	G1/2" male threaded
	Pipe Branch Size (Thermostat)	G1/2" female threaded (M16 × 1 thread Julabo adapter included)
	Maximum Torque Allowed on the Connections of Pipe Branches	3 Nm
Environmental restrictions	Operating temperature range	0 °C .. +30 °C
	Operating relative humidity	30..90% (noncondensing)
	Storage temperature range	-30 °C ..+70 °C
	Storage relative humidity	10..95% (noncondensing)

External Thermostat Requirements	
Fluid Temperature Range	+5..+150°C
Ambient Temperature Range	+5..+40°C
Cooling Capacity During Calibration	50 W
Cooling Capacity During Heating	Based on DUT Power
Supported Models	Julabo Presto series Julabo High Tech series

External Power Requirements	
Japan / USA	190-220 VAC 3P+PE 50/60 Hz, Max. 55 A RCD Current: 30mA
Worldwide	380-415 VAC 3P+N+PE 50/60 Hz, Max. 32 A RCD Current: 30 mA

Sensor Current Output Capabilities	
Min. I_s^{***} Output per Channel	5 mA
Max. I_s^{***} Output per Channel	1 A
I_s^{***} Programming Resolution	0.5 mA
I_s^{***} Programming Accuracy	0.5% set + 0.125% range

***Sensor current

Measurement Capabilities	
Input Channels for Transient Capturing	3 / 12 (3x4) ¹
Input Voltage Range	±12 V
Maximum Voltage Resolution	16 µV
Maximum Time Resolution	1 µs
Minimum Pulse Duration ¹	0.5 s
I_G^{****} Measurement	250 pA..100 µA
I_G^{****} Measurement Resolution	25 pA

Powering Capabilities	
Max. Total Heating Current (combined channels)	1500 A
Number of Heating Channels	3
Max. Heating Current per Channel	500 A
Heating Current Resolution	500 mA
Heating Current Accuracy	0.1% set + 0.3% range
Switch-on Time	50 ms
Switch-off Time	100 µs
V_{CE}^{*} Voltage	0..8 V
V_{GE}^{**} Voltage	-10V...+20V
V_{GE}^{**} Voltage Resolution	0.01 V
V_{GE}^{**} Voltage Accuracy	0.5% set + 0.25% range

^{*}Collector Emitter voltage
^{**}Gate Emitter voltage

¹ Only in case of power cycling
^{*}Only available with appropriate license
^{***}Gate current