

External Power Requirements		Powering Capabilities	
Japan / USA	190-220 VAC 3P+PE 50/60 Hz, Max. 100 A ¹ / 111 A ² RCD Current: 30 mA	Max. Total Heating Current (combined channels)	1800 A ¹ / 3600 A ²
Worldwide	380-415 VAC 3P+N+PE 50/60 Hz, Max. 52 A ¹ / 57 A ² RCD Current: 30 mA	Number of Heating Channels	3
¹ Only in the case of Simcenter Micred Power Tester 1800A 12C 12V			
² Only in the case of Simcenter Micred Power Tester 3600A 12C 6V			
External Thermostat Requirements			
Fluid Temperature Range	+5..+150°C		
Ambient Temperature Range	+5..+30°C		
Cooling Capacity During Calibration	50 W		
Cooling Capacity During Heating	Based on DUT Power		
Supported Models	Julabo Presto series Julabo High Tech series		

Sensor Current Output Capabilities		Measurement Capabilities	
Min. I _s Output per Channel	5 mA	Input Channels for Transient Capturing	12 C (3x4)
Max. I _s Output per Channel	1 A	Input Voltage Range	±12 V
I _s *** Programming Resolution	0.5 mA	Maximum Voltage Resolution	16 µV
I _s *** Programming Accuracy	0.5% set + 0.125% range	Maximum Time Resolution	1 µs
***Sensor current		Minimum Pulse Duration ¹	0.5 s
		I _G **** Measurement	250 pA..100 µA
		I _G **** Measurement Resolution	25 pA

¹Only in the case of power cycling

***Gate current

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. 600 kg uncrated, 640 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)