

SIEMENS Simcenter™ Micred™ Power Tester 1500A 3/12C 8V Technical Specifications

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		External Power Requirements
Fluid Temperature Range	+5..+150°C	Japan / USA 190-220 VAC 3P+PE 50/60 Hz, Max. 55 A RCD Current: 30mA
Ambient Temperature Range	+5..+40°C	Worldwide 380-415 VAC 3P+N+PE 50/60 Hz, Max. 32 A RCD Current: 30 mA
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		
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	

¹Only in case of power cycling

²Only available with appropriate license

³Gate current

⁴Collector Emitter voltage

⁵Gate Emitter voltage