

# Simcenter™ Micred™ T3STER™ SI LP220

## Specification Sheet

LP220 - Description					
Low power heating current/voltage source module providing up to 20W heating power distributed between two outputs.					
Module					
Number of power sources	2				
Form factor	Double slot PIU (Plug-in Unit)				
Max. power consumption	40 W				
Output restrictions	The module is power limited. The power consumption of the two sources together cannot exceed the power limit. The power consumption of the sources are not equal to the output power.				
Source type	Current or Voltage source (individually configurable by software)				
Galvanic isolated	Yes (two sources share a common ground)				
Simultaneous Voltage & Current measurement on both channels parallel					
Current source mode					
Current range	±20mA	±100mA	±100-200mA	±1A	±1-2A
Nominal current resolution	0.64µA	6.4µA		64µA	
Current accuracy	0.1% $I_{set}$ + 20µA	0.1% $I_{set}$ + 200µA	0.1% $I_{set}$ + 350µA	0.1% $I_{set}$ + 1mA	0.1% $I_{set}$ + 2mA
Current readback resolution	0.64µA	6.4µA		64µA	
Current readback accuracy	0.1% $I_{set}$ + 20µA	0.1% $I_{set}$ + 200µA	0.1% $I_{set}$ + 350µA	0.1% $I_{set}$ + 1mA	0.1% $I_{set}$ + 2mA
Output resistance	1MΩ				
Compliance voltage range	±40V				
Compliance voltage resolution	5mV				
Compliance voltage accuracy	0.1% $V_{set}$ + 40mV				
Voltage readback resolution	1.25mV				
Voltage readback accuracy	0.1% $V_{set}$ + 40mV				
Turn-on time	1µs				
Turn-off time	1µs				
Voltage source mode*					
Voltage range	40V				
Nominal voltage resolution	1.25mV				
Voltage accuracy	0.1% $V_{set}$ + 40mV				
Voltage readback resolution	1.25mV				
Voltage readback accuracy	0.1% $V_{set}$ + 40mV				
Compliance current range	±2A				
Compliance current resolution	0.25mA				
Compliance current accuracy	0.1% $I_{set}$ + 2mA				
Turn-on time	1µs				
Turn-off time	1µs				
Optional 4-wire mode					

\* The voltage source mode is only available with the T3SI3POLE license.