

# Generator for thermal tests ALPP-RTH200



High accuracy

High stability

Ranges 2A – 20A – 200A

Links RS485 and RS232

Control via PLC



## **Overview :**

The RTH200 generator is primarily intended for testing thermal tripping of circuit breakers in production . The current setpoint is transmitted to the generator via digital RS485 link. The transmission functions of the current, measurement of the current and continuity check are directly accessible on the logic inputs fit most PLCs. The source also returns to the PLC the informations of the source states.

## **Specifications :**

<b>Output electrical specifications</b>	
Output type	DC
Output voltage	6Vdc max
Output current	Adjustable from 0 to 200Adc
Output power	1200W max
Ranges	2A / 20A / 200A
Network regulation	0.05%
Load regulation (0-100%)	0.1%
Generator accuracy	0.15% + 0.01% of range
Time accuracy	1ms
Typical rise time	20ms without overshoot

Programm / Read	
Résolution courant de sortie	$5.10^{-5}$ de la gamme
Résolution durée de génération	1ms
Précision de mesure courant	0.25%

Input electrical specifications	
Supply type	AC single phase
Supply voltage	230Veff +/-10%
Supply frequency	50/60Hz
Input protection	Fuse 5x20 250V/16A T
Input current	< 10Aeff

Temperature and cooling	
Operating temperature	0°C - +40°C
Storage temperature	-10°C - +55°C
Cooling	Forced air ventilation (suction Front)

Isolation et diélectrique	
Insulation input / mass	>100Mohms – 500Vdc
Insulation output / mass	>100Mohms – 500Vdc
Dielectric strength input / output	2500Veff – 10s
Dielectric strength open output	2500Veff – 10s

Mechanical specifications	
Dimensions without connection and handles	19"x H134mm x P460mm
Weight	20kgs / 44Lbs

