

ULTRASTAB 867-200I CURRENT TRANSDUCER

SPECIFICATIONS	
Primary current	0 to $\pm 200\text{A}$
Polarity	Bipolar
Output current	0 to $\pm 200\text{mA}$
Overload capacity:	
Normal operation	100%
Basic function maintained	110%
Fault	500% (0.1s)
External Burden resistor	
Max. @ $\leq 400\text{mA}$ nom. output current	10.0 Ω
Max. @ $\leq 350\text{mA}$ nom. output current	15.0 Ω
Max. @ $\leq 300\text{mA}$ nom. output current	20.0 Ω
Min.	5 Ω
Current transfer ratio	1000:1
Linearity	<3ppm
<u>DC-accuracy :</u>	
Offset:	
Initial (output current)	< 50 ppm
vs. temperature	< 0.5 ppm/K
vs. time	< 0.5 ppm/mth
vs. supply voltage	< 1 ppm/%
Output noise (RMS):	
DC - 10 Hz	< 0,05 ppm
DC - 100 Hz	< 0,5 ppm
DC - 1 kHz	< 0.7 ppm
DC - 10 kHz	< 1 ppm
DC - 50 kHz	< 2 ppm
Feedback noise (RMS), DC-50kHz (measured on the primary current cable - one turn)	<5 μV
Busbar free zone (from center)	$r \geq 70 \text{ mm}$
Slew rate (10-90%)	> 100A / μS
Delay time	< 1 μS
Bandwidth : (small signal 0.5% , $R_b = 2.5 \text{ ohm}$)	
+/- 1dB	DC to 10 KHz
+/- 3dB	DC to 100 KHz
Test voltage (pin 4 – ground to $\varnothing 25$ Busbar)	5kV AC

SPECIFICATIONS	
Operating temperature	10 - 50°C
Storage temperature	-20 - 85°C
Operating humidity	20 – 80% RH
Input power requirement	±15V, <±5% ±70mA + output current
Mechanical dimensions (W x H x D)	77 x 75 x 45 mm
Socket length	93 mm
Weight	ø 26 mm hole approx. 0.5 kg

All ppm figures refer to max. output (200A).

Specifications are subject to change without notice.

We recommend that a shielded output cable and plug are used to ensure the maximum immunity against electrostatic fields.

9-pole D-SUB (Male)

Pin configuration:

Pin 1	Current return
Pin 2	N.C.
Pin 3	Normal operation status
Pin 4	GND
Pin 5	-15V supply voltage
Pin 6	Current output
Pin 7	N.C.
Pin 8	Normal operation status
Pin 9	+15V supply voltage
House	Electrostatic shield

Fig. 1 shows the maximum allowed burden resistor as function of maximum applied output current.

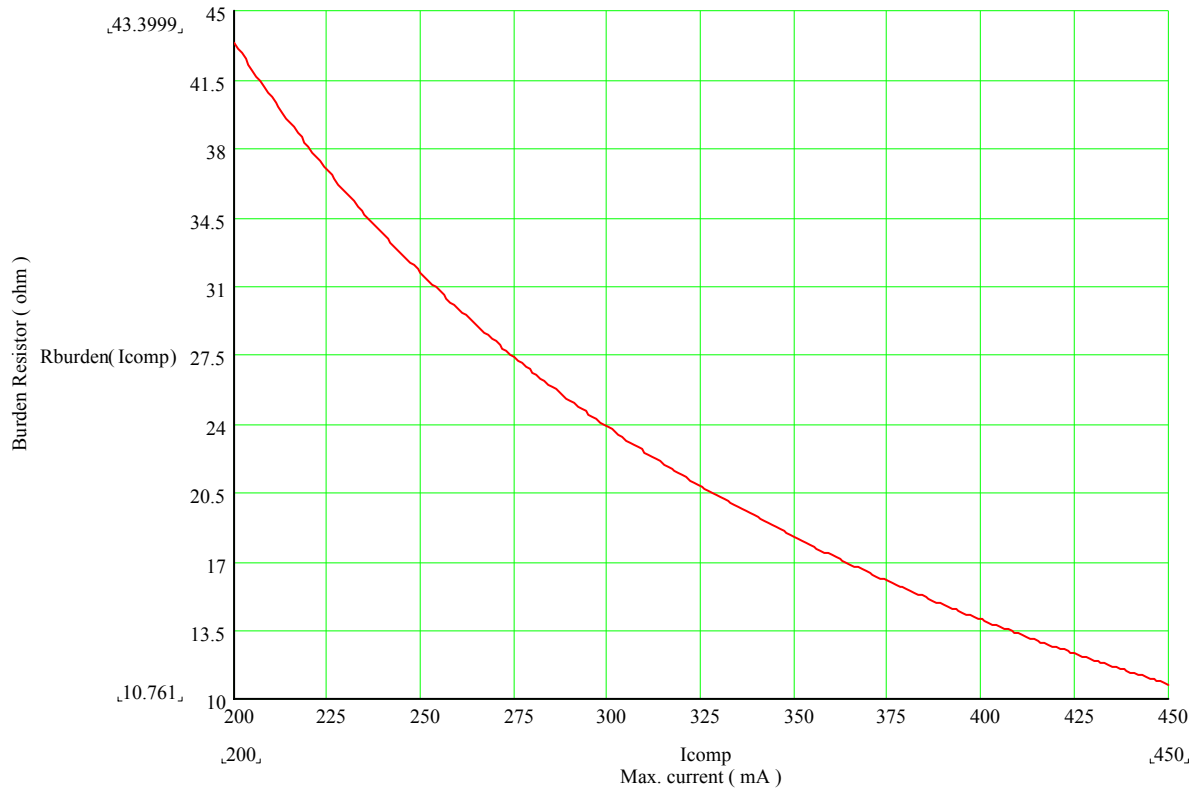


Fig. 1