

SPECIFICATIONS ULTRASTAB 862R-A Current Transducer

BASIC SPECIFICATIONS	
The 862R-A can be delivered with the following transducer heads: *)	0 – 7.5kA 0 – 10kA 0 – 16kA 0 – 20kA 0 – 25kA
Polarity	Bipolar
Output voltage at rated current	± 10 V
Output current (max.)	5 mA
Overload capacity (normal operation)	15%
Overload capacity (fault)	300% (0.1 sec)
Calibration (absolute – 23°C ambient)	< 50 ppm
Linearity	< 5ppm
Measuring / ratio stability: v.s. temperature, max. v.s. temperature, typical v.s. time	< 1 ppm/°C < 0.5 ppm/°C < 1 ppm/month
Offset (adjustable): Initial Drift v.s. temperature Drift v.s. time	< 5 ppm < 0.5 ppm/°C < 1 ppm/month
Noise feedback to main conductor DC – 100 kHz (RMS) (measured across transducer head)	< 2 μ V
Output noise feedback (RMS): DC – 10 Hz DC – 1 kHz DC – 10 kHz DC – 50 kHz (measured on output terminals)	< 0.1 ppm < 0.5 ppm < 4.0 ppm < 6.0 ppm
Slew rate (10-90%)	> 10 x I_{nom} /ms
Bandwidth (3dB) (small signal 0.5%)	DC to > 10 kHz
Test voltage transducer head	10 kV AC (RMS)

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Busbar free zone to be within linearity Specification: Cylinder shape (diameter x length)	7.5kA: to be advised 10kA : ø700 x 600 mm 16kA : ø1000 x 800 mm 20kA : ø1600 x 1200 mm 25kA : to be advised										
Cable length electronics measuring head: Standard Optional (with slightly reduced frequency response)	5 m max. 30 m										
Operating temperature electronics	10-40°C										
Operating temperature measuring head	0-50°C										
Input power requirement	115 or 230 V, 50/60 Hz, 150-250VA										
A. Electronics 862R-A assembly. Overall dimensions Weight	Dwg. No. 88611 19 inch rack mount WxHxD: 483 x 222 x 420 mm Approx. 20 kg										
B. Transducer head assemblies	<table style="width: 100%; border: none;"> <tr> <td style="width: 70%;">7.5kA type</td> <td style="width: 30%;">dwg. No. 88788</td> </tr> <tr> <td>10kA type</td> <td>dwg. No. 88788</td> </tr> <tr> <td>16kA type</td> <td>dwg. No. N/A</td> </tr> <tr> <td>20kA type</td> <td>dwg. No. 88827</td> </tr> <tr> <td>25kA type</td> <td>dwg. No. 88827</td> </tr> </table>	7.5kA type	dwg. No. 88788	10kA type	dwg. No. 88788	16kA type	dwg. No. N/A	20kA type	dwg. No. 88827	25kA type	dwg. No. 88827
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*) Other transducer head ratings can be delivered upon request.

All ppm figures refer to max. output.
Specifications are subject to change without notice.

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