

CERTIFICATE OF CALIBRATION

Issued By Transmille Ltd.

Certificate Number EXAMPLE

Date of Issue EXAMPLE



Approved Signatory



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**EXAMPLE
CERTIFICATE**

EXAMPLE

Customer :EXAMPLE

Date Received :

Instrument :	System ID :	EXAMPLE	Job Number :
	Description :	Programable Resistance Box	
	Manufacturer :	Transmille	
	Model Number :	2090	
	Serial Number :	EXAMPLE	
	Procedure Version :	3.02/N [V]	

Environmental Conditions

Temperature :	20°C +/- 1°C	Mains Voltage :	220V +/- 12V
Relative Humidity :	50% +/- 20%	Mains Frequency :	50Hz +/- 1Hz

Comments

Instrument was allowed to stabilise for at least 12 hours before calibration.
Box residual resistance subtracted from results.
4-Wire connection was used for all measurements.

Calibration Information

The instrument was calibrated against laboratory standards whose values are traceable to recognised National Standards. The uncertainty limits quoted refer to the measured values only, with no account being taken of the instruments ability to maintain its calibration.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

Calibrated By : EXAMPLE

Date of Calibration :

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to recognised national standards, and to the units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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AFTER ADJUSTMENT RESULTS

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Test Title	Applied Value	Reading	Uncertainties
Residual Resistance	0.000m Ω	110.2m Ω	140u Ω
0.1Ω Range			
0.1 Ω	0.100 Ω	0.100 Ω	2.1m Ω
0.2 Ω	0.200 Ω	0.196 Ω	2.1m Ω
0.3 Ω	0.300 Ω	0.290 Ω	2.1m Ω
0.4 Ω	0.400 Ω	0.398 Ω	2.1m Ω
0.5 Ω	0.500 Ω	0.500 Ω	2.1m Ω
0.6 Ω	0.600 Ω	0.600 Ω	2.1m Ω
0.7 Ω	0.700 Ω	0.697 Ω	2.1m Ω
0.8 Ω	0.800 Ω	0.791 Ω	2.1m Ω
0.9 Ω	0.900 Ω	0.893 Ω	2.1m Ω
1Ω Range			
1 Ω	1.000 Ω	1.007 Ω	2.1m Ω
2 Ω	2.000 Ω	2.001 Ω	2.1m Ω
3 Ω	3.000 Ω	3.000 Ω	2.1m Ω
4 Ω	4.000 Ω	4.006 Ω	2.1m Ω
5 Ω	5.000 Ω	5.001 Ω	2.1m Ω
6 Ω	6.000 Ω	6.008 Ω	2.1m Ω
7 Ω	7.000 Ω	7.003 Ω	2.1m Ω
8 Ω	8.000 Ω	8.002 Ω	2.1m Ω
9 Ω	9.000 Ω	9.003 Ω	2.1m Ω
10Ω Range			
10 Ω	10.000 Ω	9.996 Ω	2.1m Ω
20 Ω	20.000 Ω	20.007 Ω	2.2m Ω
30 Ω	30.000 Ω	30.007 Ω	2.2m Ω
40 Ω	40.000 Ω	40.014 Ω	2.2m Ω
50 Ω	50.000 Ω	50.004 Ω	2.2m Ω
60 Ω	60.000 Ω	60.002 Ω	2.2m Ω
70 Ω	70.000 Ω	70.012 Ω	2.3m Ω
80 Ω	80.000 Ω	80.011 Ω	2.3m Ω
90 Ω	90.000 Ω	90.006 Ω	2.3m Ω
100Ω Range			
100 Ω	100.000 Ω	100.010 Ω	2.4m Ω
200 Ω	200.000 Ω	200.012 Ω	2.7m Ω
300 Ω	300.000 Ω	299.999 Ω	3.2m Ω
400 Ω	400.000 Ω	400.001 Ω	3.7m Ω
500 Ω	500.000 Ω	500.015 Ω	4.3m Ω
600 Ω	600.000 Ω	600.010 Ω	4.9m Ω
700 Ω	700.000 Ω	700.012 Ω	5.5m Ω
800 Ω	800.000 Ω	800.001 Ω	6.1m Ω
900 Ω	900.000 Ω	899.983 Ω	6.8m Ω

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Test Title	Applied Value	Reading	Uncertainties
1kΩ Range			
1k Ω	1.000 00k Ω	0.999 81k Ω	22m Ω
2k Ω	2.000 00k Ω	2.000 31k Ω	27m Ω
3k Ω	3.000 00k Ω	3.000 11k Ω	31m Ω
4k Ω	4.000 00k Ω	4.000 36k Ω	37m Ω
5k Ω	5.000 00k Ω	5.000 31k Ω	42m Ω
6k Ω	6.000 00k Ω	6.000 13k Ω	48m Ω
7k Ω	7.000 00k Ω	7.000 63k Ω	54m Ω
8k Ω	8.000 00k Ω	8.000 43k Ω	60m Ω
9k Ω	9.000 00k Ω	9.000 67k Ω	67m Ω
10kΩ Range			
10k Ω	10.000 00k Ω	10.000 13k Ω	73m Ω
20k Ω	20.000 00k Ω	20.000 06k Ω	180m Ω
30k Ω	30.000 00k Ω	30.000 20k Ω	260m Ω
40k Ω	40.000 00k Ω	40.001 12k Ω	330m Ω
50k Ω	50.000 00k Ω	50.003 51k Ω	410m Ω
60k Ω	60.000 00k Ω	60.003 68k Ω	480m Ω
70k Ω	70.000 00k Ω	70.003 65k Ω	560m Ω
80k Ω	80.000 00k Ω	80.003 81k Ω	630m Ω
90k Ω	90.000 00k Ω	90.004 72k Ω	710m Ω

Note 1:

The Tables above show the measured change in DC Resistance when the decade specified was moved from zero to the position indicated with all other digits remaining at zero. The measured DC Resistance with all digits set to zero is recorded as residual resistance on this certificate and is not included in the results.

End of results