

CERTIFICATE OF CALIBRATION

Issued By Transmille Ltd.

Date of Issue EXAMPLE

Certificate Number

EXAMPLE



0324

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Approved Signatory



www.transmille.com

Transmille Ltd.
Unit 4, Select Business Centre
Lodge Road
Staplehurst, Kent. TN12 0QW.
TEL 01580 890700 FAX 01580 890711

Customer : EXAMPLE

Date Received : EXAMPLE

Customer Order Number : EXAMPLE

Instrument :

System ID : EXAMPLE
Description : Precision Resistance Standard
Manufacturer : Transmille
Model Number : 3000RS
Serial Number : EXAMPLE
Procedure Number & Version : 7799 : 5/N

Environmental Conditions

Temperature :	20°C ± 1°C	Mains Voltage :	230V ± 12V
Relative Humidity :	40%RH ± 20%RH	Mains Frequency :	50Hz ± 1Hz

Comments

Instrument was allowed to stabilise for at least 24 hours before calibration.
Results shown are the average of 4 measurements.
Power loading was less than 10mW

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 : EXAMPLE

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UKAS Accredited Calibration Laboratory No. 0324

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AFTER ADJUSTMENT RESULTS

Test Title	Applied Value	Reading	Uncertainty
The resistor was compared using 4 terminal measurement for values up to 100kR and 2 terminal for the 1MR & 10MR values.			
Values were compared against laboratory standards of the same nominal value			
For 4 terminal measurement, current was applied to the resistor current terminals and the voltage drop was measured on the corresponding voltage terminals.			
Ambient Temperature	20.0°C	20.0°C	±0.2°C
1R	1.0000000Ω	0.9998928Ω	±600nΩ
10R	10.000000Ω	9.999791Ω	±6uΩ
100R	100.00000Ω	100.00010Ω	±70uΩ
1kR	1.0000000kΩ	0.9999938kΩ	±700uΩ
10kR	10.000000kΩ	9.999796kΩ	±5mΩ
100kR	100.00000kΩ	100.00008kΩ	±50mΩ
1MR	1.0000000MΩ	1.0000140MΩ	±5Ω
10MR	10.000000MΩ	9.999973MΩ	±120Ω

End of results

END OF TEST DATA