

CERTIFICATE OF CALIBRATION

Issued By Transmille Ltd
Date of Issue 20 July 2017

Certificate Number EXAMPLE



Approved Signatory

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Customer : TRANSMILLE LTD.
UNIT 4 SELECT BUSINESS CENTRE, LODGE ROAD
STAPLEHURST KENT. TN12 0QW

Date Received : 24 May 2017

Instrument :	System ID :	T00009173	Job Number :	65429
	Description :	Precision Current Shunt Array	Ref. Number :	T8116
	Manufacturer :	Transmille	Site :	
	Model Number :	3000CS	Location :	
	Serial Number :	EXAMPLE		
	Procedure Version :	1.00/N		

Environmental Conditions

Temperature :	20°C +/- 1°C	Mains Voltage :	230V +/- 12V
Relative Humidity :	40% +/- 20%	Mains Frequency :	50Hz +/- 1Hz

Comments

Instrument was allowed to stabilise for at least 12 hours before calibration.

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 : M.A. Bailey

Date of Calibration : 20 July 2017

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

CERTIFICATE OF CALIBRATION

UKAS Accredited Calibration Laboratory No. 0324
AFTER ADJUSTMENT RESULTS

Certificate Number
33887

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Test Title	Applied Value	Reading	Uncertainties
<i>The measurement current was passed through the laboratory standard of the same nominal value and measured</i>			
<i>10 Ohm current shunt measured at 10mA</i>			
Measured Value	10.000 000Ω	9.999 550Ω	50uΩ
<i>1 Ohm current shunt measured at 100mA</i>			
Measured Value	1.000 000 0Ω	1.000 020 1Ω	5uΩ
<i>100 mOhm current shunt measured at 1A</i>			
Measured Value	100.000 00mΩ	99.898 78mΩ	1.7uΩ
<i>10 milliOhm current shunt measured at 10A</i>			
Shunt Temperature	20.0°C	19.4°C	0.1°C
Measured Value	10.000 00mOhm	10.006 52mOhm	1.2uΩ
<i>Current applied to UUT for 5 minutes</i>			
Shunt Temperature	20.0°C	20.1°C	0.1°C
Measured Value	10.000 00mOhm	10.006 64mOhm	1.2uΩ