

# CERTIFICATE OF CALIBRATION

Issued By Transmille Ltd.

Certificate Number EXAMPLE

Date of Issue EXAMPLE



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Approved Signatory

EXAMPLE

Customer : EXAMPLE

Date Received :

<b>Instrument -</b>	System ID :	EXAMPLE	Job Number :
	Description :	Electrical Test Box	Ref. Number :
	Manufacturer :	Transmille	
	Model Number :	2080	
	Serial Number :	EXAMPLE	
	Procedure Version :	3.02/N	

## 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.

## 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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UKAS Accredited Calibration Laboratory No. 0324  
**AS FOUND RESULTS**

Certificate Number  
EXAMPLE

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Test Title	Applied Value	Reading	Uncertainties
<b>General Tests</b>			
<b>LED Indicators</b>			
Power LED	---	Pass	
P-E LED	---	Pass	
P-N LED	---	Pass	
Incorrect Wiring LED	---	Pass	
<b>Insulation Voltage Tests</b>			
100V LED Off @ 77V	---	Pass	
100V LED On @ 95V	---	Pass	
250V LED Off @ 190V	---	Pass	
250V LED On @ 237V	---	Pass	
500V LED Off @ 390V	---	Pass	
500V LED On @ 475V	---	Pass	
1000V LED Off @ 790V	---	Pass	
1000V LED On @ 950V	---	Pass	
<b>Insulation Tests</b>			
1M $\Omega$	1.000M $\Omega$	1.000M $\Omega$	1.2k $\Omega$
9.9M $\Omega$	9.900M $\Omega$	9.825M $\Omega$	1.4k $\Omega$
99M $\Omega$	99.00M $\Omega$	98.57M $\Omega$	60k $\Omega$
<b>Continuity Tests</b>			
0.5 $\Omega$	0.500 $\Omega$	0.502 $\Omega$	1.2m $\Omega$
2 $\Omega$	2.000 $\Omega$	1.986 $\Omega$	1.2m $\Omega$
10 $\Omega$	10.000 $\Omega$	10.018 $\Omega$	1.2m $\Omega$
<b>RCD Tests</b>			
<b>Trip Time</b>			
30mA @ 150ms	150.0ms	151.4ms	1.2ms
150mA @ 30ms	30.0ms	31.6ms	1.2ms
10mA @ 150ms	150.0ms	151.3ms	1.2ms
<b>Trip Current</b>			
30mA- Trip	---	Pass	
150mA-Trip	---	Pass	
RCD Over-I LED	---	Pass	
No Trip LED	---	Pass	
<b>Loop Resistance</b>			
Zero	0.000 $\Omega$	0.141 $\Omega$	1.7m $\Omega$
Supply Loop @ 1 $\Omega$	1.000 $\Omega$	0.961 $\Omega$	1.7m $\Omega$

**End of results.**