

# CERTIFICATE OF CALIBRATION

Issued By Transmille Ltd.

Certificate Number EXAMPLE

Date of Issue 09 December 2008



Approved Signatory



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**EXAMPLE  
CERTIFICATE**

EXAMPLE  EXAMPLE

Customer :

Date Received :

**Instrument :** System ID : EXAMPLE  
Description : Optical Tachometer Calibration Adapter  
Manufacturer : Transmille  
Model Number : EA003  
Serial Number : EXAMPLE  
Procedure Version : 4.0/N

## Environmental Conditions

Temperature : 20°C +/- 1°C  
Relative Humidity : 50% +/- 20%

Mains Voltage : 240V +/- 12V  
Mains Frequency : 50Hz +/- 1Hz

## Comments

Instrument was allowed to stabilise for at least 12 hours before calibration.  
Frequency used to generate RPM signals.

## 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

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  
**AFTER ADJUSTMENT RESULTS**

Certificate Number  
EXAMPLE

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Test Title	Applied Value	Reading	Uncertainties
<b>Tachometer Adaptor tests</b>			
240 RPM	240.0RPM	240.0RPM	0.1RPM
300 RPM	300.0RPM	300.0RPM	0.1RPM
900 RPM	900.0RPM	900.0RPM	0.1RPM
3000 RPM	3 000.0RPM	3 000.0RPM	0.1RPM
12000 RPM	12 000RPM	12 000RPM	1RPM
18000 RPM	18 000RPM	18 000RPM	1RPM
19992 RPM	19 992RPM	19 992RPM	1RPM
30000 RPM	30 000RPM	30 000RPM	1RPM
39996 RPM	39 996RPM	39 996RPM	1RPM
49992 RPM	49 992RPM	49 992RPM	1RPM
60000 RPM	60 000RPM	60 000RPM	1RPM

**End of results**