

**Product** XC air temperature sensor  
**Serial number** 8W9154  
**Date of calibration** 22 January 18  
**Customer name** Starrag US  
**Customer address** 2379 Progress Drive  
**Customer reference** Hebron, KY 41048

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# Calibration certificate


**Specification** Air temperature sensor accuracy  $\pm 0.20$  °C

## Measured values and uncertainties of calibration

Time (mins)	Air temperature (°C)		
	Reference	Measured	Error
0	20.98	20.95	-0.03
10	20.98	20.95	-0.03
20	20.98	20.95	-0.03
30	20.98	20.96	-0.02
40	20.98	20.96	-0.02
50	20.96	20.94	-0.02
60	20.91	20.90	-0.01
Mean error			-0.02
Uncertainty (k=2)			0.07

Reference standards	Ref. no.	Certificate no.	Date
XC air temperature sensor	170W74	170W74-171007-00	07 October 17
Test Procedure	PT-50304		01 January 01

**Laser measurement system accuracy:** When a Renishaw XL-80 laser is used with a Renishaw XC-80 compensator and a Renishaw air temperature sensor (*all within specification*) the laser measurement system accuracy in linear measurement mode will be within:  $\pm 0.5$  ppm (k=2) - see the system manual for details.

Authorised signature	Signatory	Position	Date
	Joe Pichon	Service Center Manager	22 January 2018

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**Certificate number**  
 8W9154-180122-00

L-9908-1144-03

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