

Product XC air temperature sensor
Serial number 8P7718
Date of calibration 23 November 16
Customer name Starrag USA
Customer address 2379 Progress Drive
Customer reference Hebron, KY 41048

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Calibration certificate


Specification Air temperature sensor accuracy $\pm 0.20^{\circ}\text{C}$

Measured values and uncertainties of calibration

Time (mins)	Air temperature ($^{\circ}\text{C}$)		
	Reference	Measured	Error
0	21.07	20.99	-0.08
10	21.11	21.02	-0.09
20	21.19	21.11	-0.08
30	21.28	21.18	-0.10
40	21.35	21.25	-0.10
50	21.41	21.32	-0.09
60	21.47	21.38	-0.09
Mean error			-0.09
Uncertainty (k=2)			0.07

Reference standards	Ref. no.	Certificate no.	Date
XC air temperature sensor	55T113	55T113-161101-00	01 November 16
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: ± 0.5 ppm (k=2) - see the system manual for details.

Authorised signature	Signatory	Position	Date
	Tony Szewczyk	Service Center Manager	23 November 2016

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Calibration Cert # 2707.01

Certificate number
8P7718-161123-00

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Tel (847) 286-9953

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CALIBRATED BY: *unp* Date: *11-23-16*