

Product XC-80 compensator
Serial number 8U7476
Date of calibration 09 November 17
Customer name Starrag USA, Inc.
Customer address 2379 Progress Drive
Customer reference Hebron, KY 41048

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Calibration certificate


Specification Air pressure sensor accuracy ± 1.0 mbar
RH sensor accuracy ± 6.0 %RH

Measured values and uncertainties of calibration

Time (mins)	Air pressure (mbar)			Humidity (%RH)			Air Temp
	Reference	Measured	Error	Reference	Measured	Error	
0	988.1	989.2	1.1	43.5	47.6	4.1	22.05
10	988.5	989.4	0.9	43.7	47.6	3.9	22.05
20	988.5	989.6	1.1	43.7	47.7	4.0	22.06
30	988.7	989.6	0.9	43.4	47.4	4.0	22.05
40	988.9	989.8	0.9	43.4	47.4	4.0	22.06
50	989.1	990.2	1.1	43.6	47.5	3.9	22.06
60	989.3	990.4	1.1	43.6	47.6	4.0	22.08
Mean error			1.0	Mean error			4.0
Uncertainty (k=2)			0.9	Uncertainty (k=2)			4.3

Reference standards	Ref. no.	Certificate no.	Date
XC-80 (air pressure & humidity)	231Y52	231Y52-171009-00	09 October 17
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: ± 0.5 ppm (k=2) - see the system manual for details.

Authorised signature	Signatory	Position	Date
	Joe Pichon	Service Center Manager	09 November 2017

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Renishaw Inc
1001 Wesemann Drive
West Dundee
IL 60118



Calibration Cert # 2707.01

Certificate number
8U7476-171109-00

L-9908-1143-03