

Product XC-80 compensator
 Serial number 8Y8103
 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 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	967.5	968.0	0.5	47.3	52.7	5.4	20.98
10	967.3	967.8	0.5	47.2	52.7	5.5	20.98
20	966.9	967.4	0.5	47.3	52.7	5.4	20.98
30	966.7	967.2	0.5	47.3	52.7	5.4	20.98
40	966.3	966.8	0.5	47.2	52.7	5.5	20.98
50	966.1	966.6	0.5	47.2	52.7	5.5	20.96
60	965.9	966.4	0.5	47.3	52.8	5.5	20.91
Mean error			0.5	Mean error			5.5
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	22 January 2018

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Renishaw Inc
 1001 Wesemann Drive
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 IL 60118



Calibration Cert # 2707.01

Certificate number
 8Y8103-180122-00

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