

Product XC material temperature sensor
Serial number 92E595
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 Material temperature sensor accuracy $\pm 0.10^{\circ}\text{C}$

Measured values and uncertainties of calibration

Time (mins)	Material temperature ($^{\circ}\text{C}$)		
	Reference	Measured	Error
0	20.88	20.88	0.00
10	20.89	20.88	-0.01
20	20.90	20.89	-0.01
30	20.90	20.89	-0.01
40	20.90	20.89	-0.01
50	20.90	20.89	-0.01
60	20.88	20.87	-0.01
Mean error			-0.01
Uncertainty (k=2)			0.07

Reference standards	Ref. no.	Certificate no.	Date
XC material temperature sensor	231X47	231X47-171006-00	06 October 17
Test procedure	PT-50304		01 January 01

Laser measurement system accuracy: The accuracy of the material temperature sensor affects the material thermal expansion compensation applied by the software - 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
West Dundee
IL 60118



Calibration Cert # 2707.01

Certificate number
92E595-180122-00

L-9908-1145-03