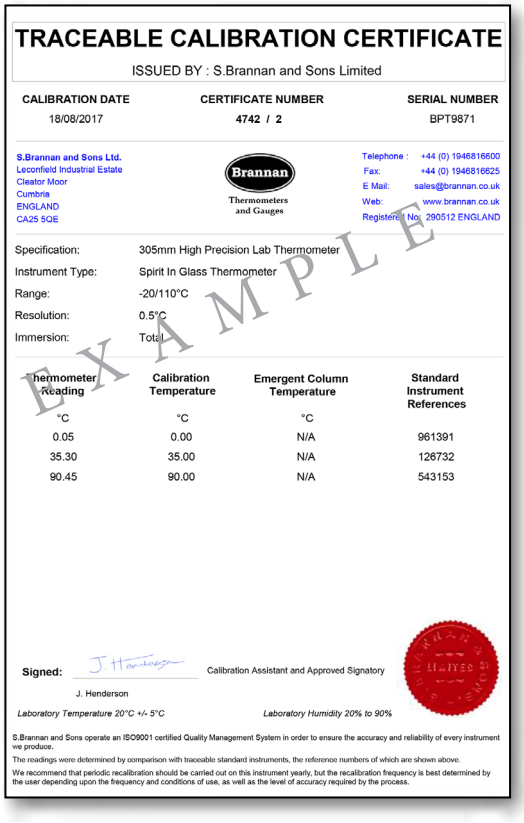
Precision Laboratory Thermometers with Certification



TRACEABLE CALIBRATION CERTIFICATE

ISSUED BY : S.Brannan and Sons Limited

CALIBRATION DATE	CERTIFICATE NUMBER	SERIAL NUMBER
18/08/2017	4742 / 2	BPT9871

S.Brannan and Sons Ltd.
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Brannan Thermometers and Gauges

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Registered No. 290512 ENGLAND

Specification: 305mm High Precision Lab Thermometer
Instrument Type: Spirit In Glass Thermometer
Range: -20/110°C
Resolution: 0.5°C
Immersion: Total

EXAMPLE

Thermometer Reading	Calibration Temperature	Emergent Column Temperature	Standard Instrument References
°C	°C	°C	
0.05	0.00	N/A	961391
35.30	35.00	N/A	126732
90.45	90.00	N/A	543153

Signed: J. Henderson — Calibration Assistant and Approved Signatory

Laboratory Temperature 20°C +/- 5°C *Laboratory Humidity 20% to 90%*

S.Brannan and Sons operate an ISO9001 certified Quality Management System in order to ensure the accuracy and reliability of every instrument we produce.

The readings were determined by comparison with traceable standard instruments, the reference numbers of which are shown above.

We recommend that periodic recalibration should be carried out on this instrument yearly, but the recalibration frequency is best determined by the user depending upon the frequency and conditions of use, as well as the level of accuracy required by the process.

Following of the ban on specification mercury laboratory thermometers in October 2017, **S.Brannan & Sons** has developed a range of spirit filled, high precision thermometers. These thermometers are supplied complete with a traceable calibration certificate and are presented in a sturdy box for storage. The thermometers are made to the highest possible standards and are checked at every stage of manufacture to the requirements of our ISO 9001 Quality Management System.

In addition to our standard checks, these High Precision Specification Thermometers are calibrated at two or three separate points across their working range.

This range of thermometers are fully manufactured and certified in our factory in the UK and delivery is available within 7 working days.

Brannan Guarantee of Accuracy

Filling	Tube Length	Range	Divs	Product Number		No of Points*
				76mm Immersion	Total Immersion	
Blue Spirit	405mm	0 to +40°C	0.1°C	**50/500/0**	**50/510/0**	2 pts
		0 to +40°C	0.2°C	**50/501/0**	**50/511/0**	
		-1 to +51°C	0.1°C	**50/502/0**	**50/512/0**	
		-1 to +51°C	0.2°C	**50/503/0**	**50/513/0**	
		-1 to +101°C	0.2°C	**50/504/0**	**50/514/0**	3 pts
		-1 to +201°C	0.5°C	**50/505/0**	**50/515/0**	
		-1 to +250°C	0.5°C	**50/506/0**	-	
		-1 to +250°C	1.0°C	-	**50/516/0**	
	305mm	-35 to +50°C	0.5°C	**50/520/0**	**50/525/0**	2 pts
		-20 to +110°C	0.5°C	**50/521/0**	**50/526/0**	3 pts
		-20 to +150°C	0.5°C	**50/522/0**	**50/527/0**	
		-10 to +50°C	0.5°C	**50/523/0**	**50/528/0**	2 pts
	205mm	-10 to +150°C	1.0°C	**50/531/0**	**50/536/0**	3 pts
Red Spirit Low Range	305mm	-100 to +50°C	1.0°C	**50/550/0**	**50/555/0**	2 pts
		-80 to +30°C	1.0°C	**50/551/0**	**50/556/0**	
		-50 to +50°C	1.0°C	**50/552/0**	**50/557/0**	
	205mm	-10 to +110°C	1.0°C	**50/530/0**	**50/535/0**	3 pts
		0 to +50°C	1.0°C	**50/532/0**	**50/537/0**	2 pts

* Calibration points for two point calibration are 0 & 35°C. Calibration points for three point calibration are 0, 35 & 90°C.