Product data sheet

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LAB040 - PRECISION LABORATORY THERMOMETERS WITH CERTIFICATE

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.

Product features:

- Choice of two or three point calibration
- Choice of temperature ranges, thermometer lengths and blue or red spirit fillings
- 76mm partial or total immersion
- Safe, non mercury filling
- Thermometer supplied in individual, resealable plastic tube
- Presented in protective polystyrene tray and cardboard box
- Made in England

TRACEABLE CALIBRATION CERTIFICATE

ISSUED BY : S.Brannan and Sons Limited

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

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

Thermometer Reading	Calibration Temperature	Emergent Column Temperature	Standard Instrument References
°C	°C	°C	
0.05	0.00	N/A	961391
99.30	35.00	N/A	126732
100.45	90.00	N/A	543153

Signed: J. Henderson — Calibration Assistant and Approved Signatory

Laboratory Temperature 20°C +/- 2°C — Laboratory Humidity 20% to 80%

EXAMPLE

Product specifications:

Ranges:	See table overleaf
Divisions:	See table overleaf
Accuracy:	See table overleaf
Immersion:	76mm partial or total immersion
Product material:	Glass tube with Kerosene filling
Product dimensions:	6.5mm dia x length (see table overleaf)
Product net weight:	205mm thermometer: 16g 305mm thermometer: 25g 405mm thermometer: 34g
CE/RoHS/WEEE:	N/A
Hazard Information (SDS):	See brannan.co.uk for information

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Standard product numbers:

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.

Packing Specifications:

The precision thermometer is supplied in resealable, telescopic tube with certificate and are presented in polystyrene tray then outer box.

Gross dimensions: (in presentation box)
205mm Thermometer : 337 x 72 x 39mm
305mm Thermometer : 337 x 72 x 39mm
405mm Thermometer : 435 x 72 x 39mm

Product packaging weights:

Thermometer length	Thermometer in tube	Certificate	Certificate plastic sleeve	Polystyrene tray	Presentation box	Total/ gross weight
205mm	22g	4.5g	4.5g	17g	29.5g	77.5g
305mm	30g	4.5g	4.5g	17g	29.5g	85.5g
405mm	42.5g	20g	4.5g	20g	37.5g	109g

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