

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

Product specifications:

Temperature 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:	ø6.5mm x length (see table overleaf)
Product net weight:	205mm thermometer: 17g 305mm thermometer: 24g 405mm thermometer: 34g
CE/RoHS/WEEE:	N/A
Hazard Information (SDS):	See brannan.co.uk for information

TRACEABLE CALIBRATION CERTIFICATE			
ISSUED BY : S.Brannan and Sons Limited			
CALIBRATION DATE	CERTIFICATE NUMBER	SERIAL NUMBER	
18/06/2017	4742 / 2	BPT19871	
S.Brannan and Sons Ltd Localised Industrial Estate Oxley Way Gerrards Cross ENGLAND GL43 9JL			Telephone : +44 (0) 1946 816600 Fax : +44 (0) 1946 816625 E-Mail : sales@brannan.co.uk Web : www.brannan.co.uk Registered No. 206612 ENGLAND
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	961301
35.30	35.00	N/A	126732
90.45	90.00	N/A	543153
Signed:		Calibration Assessor and Approved Signatory	
J. Henderson			
Laboratory Temperature 20°C ± 0.1°C		Laboratory Humidity 20% to 80%	
<small>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. This document 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.</small>			

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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	
	305mm	-1 to +250°C	0.5°C	50/506/0	-	3 pts
		-1 to +250°C	1.0°C	-	50/516/0	
		-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	3 pts
		-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: 205mm Thermometer: 337mm x 72mm x 39mm
 (in presentation box) 305mm Thermometer: 337mm x 72mm x 39mm
 405mm Thermometer: 435mm x 72mm 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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