

# Product data sheet

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## LAB020 - LO-tox™ FILLED LABORATORY THERMOMETERS

LO-tox™ is an organic filling specially chosen to achieve a wide temperature span and provide the lowest practical levels of hazard. The quality and legibility make these an ideal substitute for mercury thermometers. Each LO-tox™ thermometer is fitted with a Brannan non-roll end cap which has a ring to allow the thermometer to be suspended. The thermometers are supplied as standard in individual, resealable, telescopic tubes then boxed in pack of 10 thermometers. These thermometers can be supplied with UKAS calibration certificate or statement of conformity on request, for an additional charge.

The tables below show our standard thermometers, however other ranges are available on request.

### Product features:

- Choice of temperature ranges, thermometer lengths and coloured fillings
- 76mm partial or total immersion
- Non-roll end cap
- Made in England
- Safe, non mercury filling
- Supplied in individual, resealable plastic tube

### Product specifications:

<b>Temperature ranges:</b>	See table overleaf
<b>Divisions:</b>	See table overleaf
<b>Accuracy:</b>	See table overleaf
<b>Immersion:</b>	76mm partial or total immersion
<b>Product material:</b>	Glass tube with Kerosene filling (except * - special brown filling for high range) Non-roll cap - Evoprene
<b>Product dimensions:</b>	ø6.5mm x length (see table overleaf)
<b>CE/RoHS/WEEE:</b>	N/A
<b>Hazard information (SDS):</b>	See <a href="http://brannan.co.uk">brannan.co.uk</a> for information

### Packing specifications:

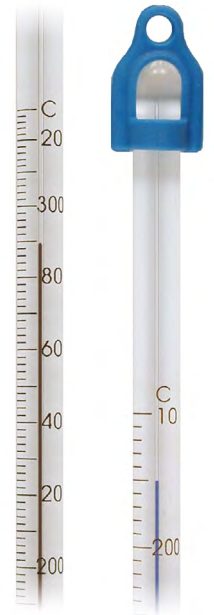
The following are for packed thermometers.

Each thermometer is supplied in protective telescopic packing.

Pack of ten thermometers supplied in cardboard box.

Box Weight:	155mm thermometer box: 14.5g
	305mm thermometer box: 20.5g
	405mm thermometer box: 26.5g

Tube length	Single packed thermometer		Box of 10 packed thermometers	
	Weight	Dimensions	Weight	Dimensions
155mm	19.5g	195mm x 12mm x 12mm	210.5g	202mm x 67mm x 29mm
305mm	30.5g	306mm x 12mm x 12mm	366g	312mm x 67mm x 29mm
405mm	42.0g	406mm x 12mm x 12mm	447g	412mm x 67mm x 29mm



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## Standard product numbers:

Range °C only	Division	Length	LO-tox colour	76mm Immersion		Total immersion	
				Accuracy	Product no	Accuracy	Product no
-10 to +50°C	1.0°C	155mm	Blue	-	-	+/-1.0°C @ 35°C	44/850/7
-10 to +110°C	1.0°C	155mm	Blue	-	-	+/-1.5°C @ 90°C	44/830/7
-35 to +50°C	1.0°C	305mm	Blue	+/-1.0°C @ 35°C	44/801/8	+/-1.0°C @ 35°C	44/809/8
-10 to +50°C	0.5°C	305mm	Blue	+/-0.5°C @ 35°C	44/800/8	+/-0.5°C @ 35°C	44/808/8
-20 to +110°C	1.0°C	305mm	Blue	+/-1.5°C @ 90°C	44/802/8	+/-1.5°C @ 90°C	44/810/8
-20 to +110°C	0.5°C	305mm	Blue	+/-1.5°C @ 90°C	44/802/9	+/-1.5°C @ 90°C	44/810/9
-20 to +150°C	1.0°C	305mm	Blue	+/-1.5°C @ 90°C	44/803/8	+/-1.5°C @ 90°C	44/811/8
-10 to +210°C	1.0°C	405mm	Blue	+/-2.0°C @ 90°C	44/805/8	+/-2.0°C @ 90°C	44/812/8
-10 to +260°C	1.0°C	405mm	Blue	+/-2.0°C @ 90°C	44/804/8	+/-2.0°C @ 90°C	44/813/8
-10 to +300°C	1.0°C	305mm	Brown	+/-2.0°C @ 90°C	44/815/0	+/-2.0°C @ 90°C	44/818/0
-10 to +330°C	2.0°C	305mm	Brown	+/-2.0°C @ 90°C	44/814/0	+/-2.0°C @ 90°C	44/827/0
-10 to +360°C	2.0°C	305mm	Brown	+/-2.0°C @ 90°C	44/826/8	+/-2.0°C @ 90°C	44/819/0
-1 to +51°C	0.1°C	405mm	Blue	+/-1.0°C @ 35°C	44/820/0	+/-0.5°C @ 35°C	44/821/0
-1 to +51°C	0.2°C	405mm	Blue	+/-1.0°C @ 35°C	44/822/0	+/-0.5°C @ 35°C	44/823/0
-1 to +101°C	0.2°C	405mm	Blue	+/-1.0°C @ 90°C	44/824/0	+/-1.0°C @ 90°C	44/825/0

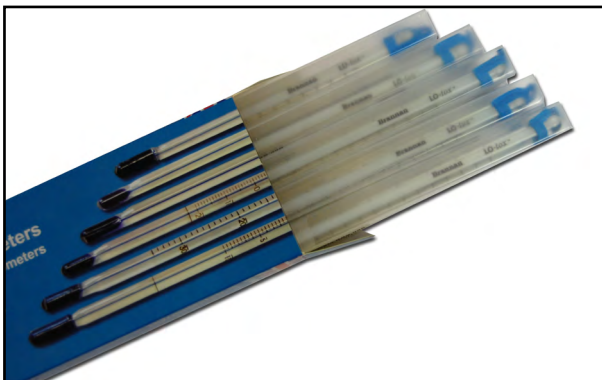
  

Range °F only	Division	Length	LO-tox Colour	76mm Immersion		Total immersion	
				Accuracy	Product no	Accuracy	Product no
-30 to +120°F	1.0°F	305mm	Blue	+/-2°F @ 95°F	44/801/5	+/-2°F @ 95°F	44/809/7
0 to +230°F	2.0°F	305mm	Blue	+/-2°F @ 194°F	44/802/7	+/-2°F @ 194°F	44/816/7
0 to +300°F	2.0°F	305mm	Blue	+/-2°F @ 194°F	44/803/7	+/-2°F @ 194°F	44/817/7
0 to +500°F	2.0°F	405mm	Blue	+/-2°F @ 194°F	44/804/7	+/-2°F @ 194°F	-

Range °C&F	Division	Length	LO-tox colour	76mm Immersion		Total immersion	
				Accuracy	Product no	Accuracy	Product no
-20 to +110°C&F	1.0°C&F	305mm	Blue	+/-1.0°C @ 90°C	44/802/5	-	-
-20 to +150°C&F	1.0°C&F	305mm	Blue	+/-1.0°C @ 90°C	44/803/5	-	-
-0 to +260°C&F	1.0°C&F	405mm	Blue	+/-2.0°C @ 90°C	44/804/5	-	-

**Note:** Due to the chemical compound of the special liquid used in our high range brown spirit laboratory thermometers, there is a possibility that a black/brown stain may be present in the liquid column. This is unavoidable when we produce these thermometers with such a high temperature range, however, this does not affect the performance or accuracy of the thermometer in any way.



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