



# Brannan Newsletter

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		<b>S.Brannan &amp; Sons Ltd</b>	
<b>CALIBRATION TEST DURING PRODUCTION</b>			
Certificate No: RE-202401210001	Product	Page: 1 of 1	
Serial No: 20241210071			
Calibration results:			



## PRE-CALIBRATED INSTRUMENTATION

The following **Brannan** instruments are supplied complete with factory calibration certificate.

Full details on the following instruments can be found on our website.




### High precision waterproof test thermometer -

#### Waterproof thermometer to IP68.

1.35m cable with 150mm stainless steel probe.  
High/low alarm, data hold and max min recording functions. Complete with hanger, stand and magnetic fixtures and supplied with calibration certificate.  
HACCP compliant.

**Product number: 38/600/0**

		<b>S.Brannan &amp; Sons Ltd</b>	
<b>CALIBRATION TEST DURING PRODUCTION</b>			
Certificate No: BRN00001	Product Ref: 38/600/0	Page: 1 of 1	
Serial No: 25001			
Calibration results			
Calibration of this instrument during manufacture gave the following correction values			
Test Input Value	Displayed Value	Correction Value	Accuracy Spec.
0°C	-0.2°C	+0.2°C	±0.5°C
100°C	100.2°C	-0.2°C	±0.5°C
Calibration Conclusion: The under test unit is within the published specification			
Note: Correction Value = Displayed Value - Test Input Value			
<i>Thomas Huang</i>		10 April 2025	



**Measurement for life.**



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## Infrared instrumentation

A range of infrared instruments with built in laser targeting. Choice of temperature ranges, distance to spot targeting and accuracies. See table below.

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CALIBRATION TEST DURING PRODUCTION

Certificate No: RE-202401209601

Product Ref: 38/703/0

Page: 1 of 1

Serial No: 20241205961

Calibration results:

Calibration of this instrument during manufacture gave the following correction values:

Test Input Value (°C)	Unit under Test (°C)	Correction Value (°C)	Accuracy Spec. (°C)
30.0	30.4	-0.4	±2.0
100.0	100.0	0.0	±2.0
450.0	454.7	-4.7	±9.0

Calibration Conclusion: The under test unit is within the published specification

Note:

● The blackbody emissivity was fixed at 0.95 during calibrating the Infrared Thermometers.

● The emissivity for Infrared Thermometer was set at 0.95.

● The instrument is calibrated against standards traceable to CE standards.

Details of reference equipment used:

Equipment(Black body): FLUKE 9133      Reference IRT: Raytek ST80



Description	Product number
Compact infrared thermometer	38/703/0
Standard infrared thermometer	38/701/0
Infrared thermometer with multi-spot laser targeting	38/707/0
Advanced, dual laser infrared thermometer	38/706/0

## S.Brannan & Sons Ltd

### CALIBRATION TEST DURING PRODUCTION

Certificate No: RE-20220511001

Product Ref: 38/709/0

Page: 1 of 1

Serial No: 20220501761

#### Calibration results:

Calibration of this instrument during manufacture gave the following correction values:

Test Input Value (°C)	Unit under Test (°C)	Correction Value (°C)	Accuracy Spec. (°C)
30.0	30.5	-0.5	±2.0
100.0	99.7	+0.3	±2.0
300.0	299.2	+0.8	±6.0

**Calibration Conclusion:** The under test unit is within the published specification

#### Note:

- The blackbody emissivity was fixed at 0.95 during calibrating the Infrared Thermometers.
- The emissivity for Infrared Thermometer was set at 0.95.
- The instrument is calibrated against standards traceable to CE standards.

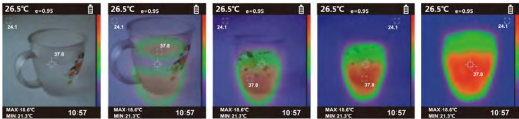
#### Details of reference equipment used:

Equipment(Black body): FLUKE 9133      Reference IRT: Raytek ST80

## Thermal imager visual infrared thermometer

Visual Infrared thermometer with hot and cold spot temperature markers to guide user to the hottest and coldest area in the infrared heat map. Functions include image capture and SD storage card, USB edge PC for picture reading, selectable colour palettes.

Product number: 38/709/0



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## Environmental instrumentation

Choice of mini environmental meters for various applications, with colour LCD. User selectable units, max min and data hold functions. See table below.



Description	Product number
Thermo-anemometer - wind speed meter	13/470/0
Thermo-sound meter	13/471/0
Thermo-light meter	13/472/0
Thermo-humidity meter	13/473/0
Thermo-humidity meter for wood and other materials	13/450/0

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CALIBRATION TEST DURING PRODUCTION

Certificate No: RE-202401210001

Product Ref: 13/470/0

Page: 1 of 1

Serial No: 20241210071

Calibration results:

Calibration of this instrument during manufacture gave the following correction values:

I - Wind Speed (m/s)

Test Input Value (m/s)	Displayed Value (m/s)	Correction Value (m/s)	Accuracy Spec. (m/s)
1.3	1.3	+0.2	±0.3
11.4	11.4	+0.0	±0.6
22.8	22.8	+0.0	±0.9

Calibration Conclusion: The under test unit is within the published specification

Note 1: Correction Value = Displayed Value - Test Input Value



**Professional, 5-in-1, multi-functional, environmental meter**  
5-in-1 meter designed to measure sound, light, wind speed, humidity and temperature, suitable for professional and home use. Max min and data hold functions.  
**Product number: 13/464/0**

# S.Brannan & Sons Ltd

## CALIBRATION TEST DURING PRODUCTION

Certificate No: RE-202502014001

Product Ref: 13/464/0

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Serial No: 20250202751

Calibration results:

Calibration of this instrument during manufacture gave the following correction values:

I - Light (Lux)			
Test Input Value (Lux)	Displayed Value (Lux)	Correction Value (Lux)	Accuracy Spec. (Lux)
200.0	200.5	+0.5	±2.0
1000	999.6	-0.4	±30.0
4.5K	4.5	+0.0	±0.2
II - Wind Speed (m/s)			
Test Input Value (m/s)	Displayed Value (m/s)	Correction Value (m/s)	Accuracy Spec. (m/s)
1.2	1.2	+0.0	±0.2
11.7	11.7	+0.0	±0.6
21.5	21.6	+0.1	±0.9
III - Humidity (RH%)			
Test Input Value (RH%)	Displayed Value (RH%)	Correction Value (RH%)	Accuracy Spec. (RH%)
50.0	50.0	+0.1	±0.0
IV - Sound (dBA)			
Test Input Value (dBA)	Displayed Value (dBA)	Correction Value (dBA)	Accuracy Spec. (dBA)
94.0	94.0	+0.0	±1.4
114.0	113.9	+0.1	±1.4

Calibration Conclusion: The under test unit is within the published specification

Note 1: Correction Value = Displayed Value - Test Input Value