

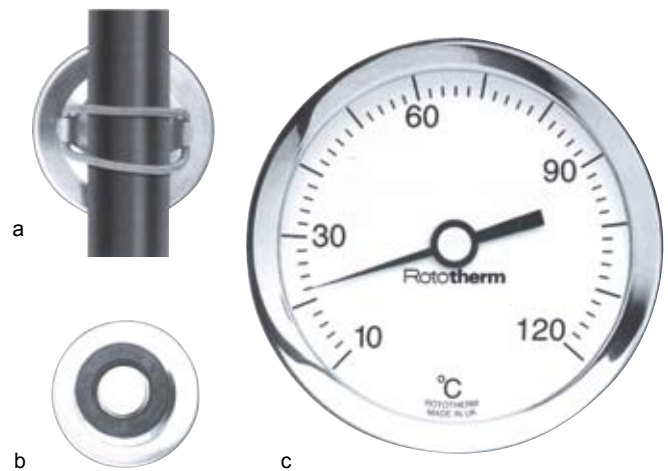
## Surface Temperature Thermometers - BL301 & BL302

A range of surface mounting bimetallic thermometers suitable for testing, balancing and fault-finding on heating systems. They can be attached to a surface by an adjustable spring or magnet to give an immediate indication of temperature without drilling or cutting.

This range of bimetallic thermometers is equally suitable for use on pipelines or flat surfaces such as radiators, platens or hot plates.

Excellent thermal conductivity is provided by the aluminium housing to the bimetallic element, while the stainless steel case and bezel minimises dissipation of heat to the atmosphere.

- a. BL301 illustrating spring fixing
- b. BL302 illustrating ring magnet (on ranges up to 160°C)
- c. BL301 front view



### Surface Temperature Thermometer BL3-01

Attaches to pipes by means of a spring and rotating hook. Without the spring, the instrument can be used on horizontal surfaces.

#### Specification - BL3-01

**Case & Bezel**

Stainless steel, 65mm diameter x 13mm depth with aluminium housing 20mm x 7mm and rotating hook to accept fixing springs

**Dial**

63mm diameter clearly marked to BS3693. Black characters on a white background

**Accuracy**

±2% of span

**Temperature Ranges**

See table

### Magnetic Fixing Thermometer BL3-02

A strong permanent magnet enables this compact thermometer to be easily attached to horizontal or vertical surfaces. It is ideal for checking surface temperatures prior to the application of special finishes.

#### Specification - BL3-02

**Case & Bezel**

Stainless steel, 65mm diameter x 13mm depth with aluminium housing.

For ranges up to 160 Deg C

40mm diameter ring magnet extends 7mm behind case

For ranges up to 400 Deg C

Ring magnet is replaced by bar magnets for high temperature resistance.

**Dial**

63mm diameter clearly marked to BS3693. Black characters on a white background

**Accuracy**

±2% of span

**Temperature Ranges**

See table

### BL3-02 - Application

The Model BL302 surface temperature indicator has been chosen by Navy's worldwide as a reliable indicator for measuring bulkhead temperatures.

Excellent thermal conductivity is provided by the aluminium housing to the bimetallic element, while the stainless steel case and bezel minimises dissipation of heat to the atmosphere.

### NATO Codification

NATO Stock No.	Description
6685-99-168-9006	Model BL302 surface temperature indicator, range 0 to 400°C
0242-99-529-8503	Model BL302 surface temperature indicator, range 0 to 400°C & °F

**Order Code - BL3-01**

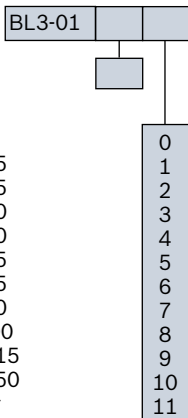
**SURFACE TEMPERATURE THERMOMETER**

63 mm

Temperature range from table

Spring Size  
No spring required  
Pipe diameter, mm

- 10 - 15
- 15 - 25
- 25 - 40
- 40 - 50
- 50 - 65
- 65 - 75
- 75 - 90
- 90 - 100
- 100 - 115
- 115 - 150
- Other

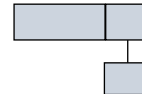


**Order Code - BL3-02**

**MAGNETIC FIXING THERMOMETER**

63 mm

Temperature range from table



**Temperature Ranges - BL301 & BL302**

°C	°F
-30/+60	-20/+140
10/120	50/250
0/160	0/300
100/300	
0/400	



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