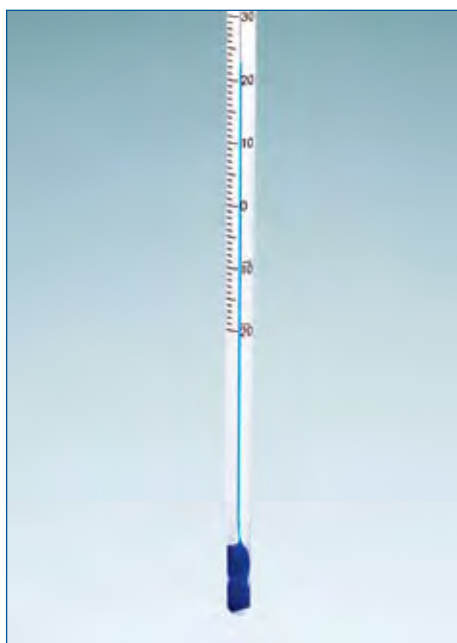


## Thermometers, blue spirit filled, white back, partial immersion

**MBL®**

- Mercury free - filled with safe low toxicity blue indicating fluid
- Calibrated for 'partial immersion' i.e. to give accurate readings when the thermometer is immersed to a specific depth (76mm as marked on thermometer)
- Graduations in permanent amber stain
- White coloured background provides clear observation of blue coloured liquid column
- Reinforced bulb to allow stirring
- With plastic non-roll top and safety suspension ring
- Nominal length 305mm
- Items 60/210/10 and 60/260/10 have a length of 405mm
- Item 60/330/20 has a brown spirit filling

Product Code	Range °C	Grads. °C	Tol. ±°C	Pack qty.
60/050/05	-10 to 50	0.5	0.5	10
60/110/10	-10 to 110	1.0	1.5	10
60/150/10	-20 to 150	1.0	2.0	10
60/210/10	-10 to 210	1.0	3.0	10
60/260/10	-10 to 260	1.0	3.0	10
60/330/20	-10 to 330	2.0	6.0	10



## Thermometers, blue spirit filled, white back, total immersion

**MBL®**

- Mercury free - filled with a low toxicity blue spirit
- Calibrated for 'total immersion'
- Permanent amber stain graduations
- White coloured background provides clear observation of blue coloured liquid column
- Reinforced bulb for stirring
- With plastic non-roll top and safety suspension ring
- Nominal length 305mm with item 30/210/10 length 405mm

Product Code	Range °C	Grads. °C	Tol. ±°C	Pack qty.
30/050/05	-10 to 50	0.5	0.5	10
30/110/10	-20 to 110	1.0	1.0	10
30/150/10	-20 to 150	1.0	1.5	10
30/210/10	-10 to 210	1.0	2.0	10



If a 'total immersion' thermometer is used with a portion of the spirit column above the liquid level, a correction to the observed reading may be required.

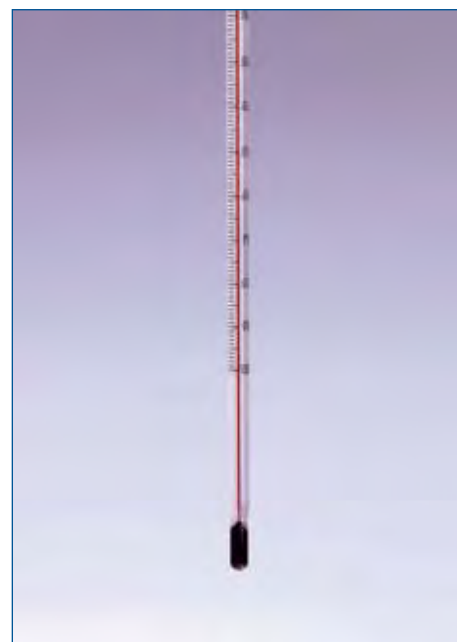


## Thermometers, low temperature, red spirit filled, white back, total immersion

**MBL®**

- Mercury free - filled with safe, red, low toxicity fluid
- White background provides clear observation of red coloured liquid column
- Calibrated for 'total immersion' i.e. to give accurate readings when the top of the spirit column is level with the liquid level
- 305mm in length

Product Code	Range °C	Grads. °C	Tol. ±°C	Pack qty.
10/050/10	-100 to +50	1.0	3.0	10

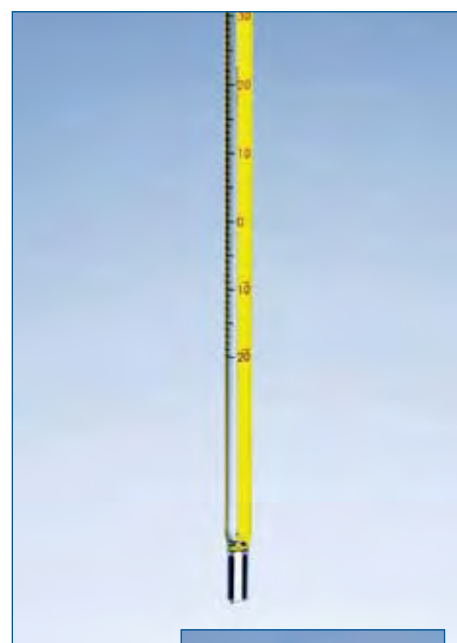


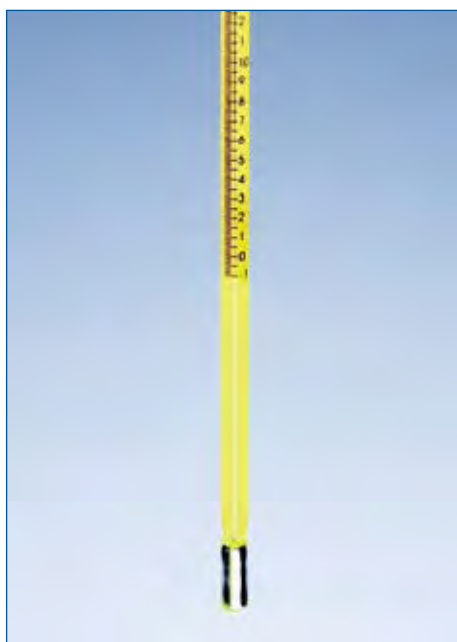
## Thermometers, mercury filled, yellow back, total immersion

**MBL®**

- Calibrated for 'total immersion'
- Permanent amber stain graduations
- Yellow backed tubing for clear observation of mercury column
- Reinforced bulb for stirring
- With plastic non-roll top and safety suspension ring
- Nominal length 305mm

Product Code	Range °C	Grads. °C	Tol. ±°C	Pack qty.
20/110/05	-20 to 110	0.5	0.5	10
20/110/10	-20 to 110	1.0	1.0	10
20/150/10	-20 to 150	1.0	2.0	10
20/200/10	-10 to 200	1.0	2.0	10
20/250/10	-10 to 250	1.0	2.0	10
20/300/10	-10 to 300	1.0	3.0	10
20/360/10	-10 to 360	1.0	4.0	10





## Thermometers, precision, mercury filled, yellow back, total immersion

**MBL®**

- Precision thermometers calibrated to closer tolerances and graduated at smaller intervals than general purpose thermometers
- Very fine etched graduations with black ceramic filling
- Yellow backed tubing for clear observation of mercury column
- Calibrated for 'total immersion'

Product Code	Range °C	Grads. °C	Tol. ±°C	Length (mm)	Pack qty.
40/101/02	-1 to 101	0.2	0.3	0	10

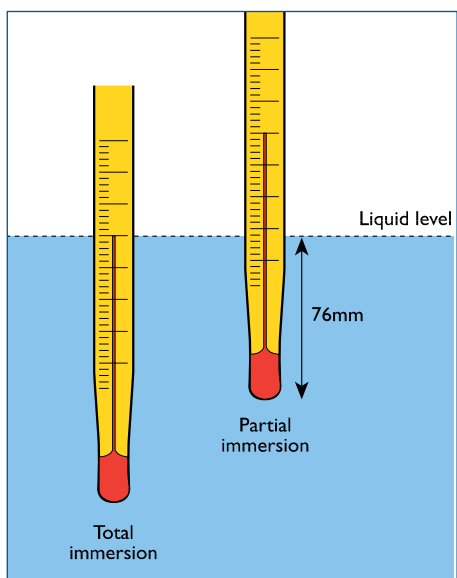


## Thermometers, 'Bee-ka', mercury filled, yellow back, total immersion

**MBL®**

- Short length (155mm) for use with small beakers and Erlenmeyer flasks etc.
  - Can be left stood in a 50ml beaker without causing it to fall over
- Calibrated for 'total immersion'
- Permanent amber stain graduations
- Yellow back tubing for clear observation of mercury column

Product Code	Range °C	Grads. °C	Tol. ±°C	Pack qty.
50/050/05	-10 to 50	1.0	0.5	10
50/110/10	-10 to 110	1.0	1.0	10
50/250/50	-10 to 250	2.0	4	10



## Immersion data

MBL® thermometers are calibrated for use as follows:

### Total immersion:

Calibrated to give accurate readings when thermometer is immersed so that the top of the mercury column is level with the liquid surface.

### Partial immersion:

Calibrated to give accurate readings when the thermometer is immersed to a specified depth, usually 76mm. The depth to which the thermometer should be immersed is clearly marked on the body.



## Thermometers, mercury, with integral cone



- Features an integral ground glass cone on the stem which allows direct fitting into Quickfit® jointed apparatus
- Mercury filled thermometers with enclosed blue ribbon on scale for improved visibility

Product Code	Cone size	Range °C	Pack qty.
MF31/0/110	10/19	-10 to 110	1
MF31/0/250	10/19	-10 to 250	1
MF31/0/360	10/19	-10 to 360	1
MF31/1	14/23	-10 to 110	1
MF31/2	14/23	-10 to 250	1
MF31/3	14/23	-10 to 360	1



## Thermometers, spirit, with integral cone



- Features an integral ground glass cone on the stem which allows direct fitting into Quickfit® jointed apparatus
- Filled with high visibility blue spirit

Product Code	Cone size	Range °C	Pack qty.
MF31/2S	14/23	-10 to 250	1





## Thermometer adapter



- Ideal for incorporating MBL® and plain stemmed thermometers into Quickfit® jointed glassware assemblies
- Screwthread joint allows easy depth adjustment of thermometer
- Complete with cap, ring and washer

Product Code	Thread size	Cone size	Acceptable dia. through screwcap mm	Pack qty.
ST51/13	13	14/23	6.0 - 7.0	2
ST52/13	13	19/26	6.0 - 7.0	2
ST53/13	13	24/29	6.0 - 7.0	2
ST54/13	13	29/32	6.0 - 7.0	2



## Thermometer pocket



- For incorporating thermometers into Quickfit® jointed-ware assemblies
- Pocket fits most Quickfit® still heads

Product Code	Cone size	Approx. stem length mm	Pack qty.
SH4A	14/23	45	1



## Trays, instrument, polypropylene



- Rectangular fabricated polypropylene trays
- Rigid and robust
- All sizes have 22mm deep vertical sides
- Can be autoclaved at 121°C

Product Code	Dimensions l x w mm	Pack qty.
TWR018	350 x 200	1
TWR020	350 x 250	1
TWR022	610 x 350	1