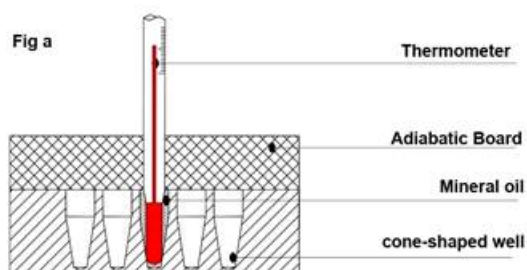
	Technical Information	730-138-EN		V04
	Incubator calibration	Created	20.04.2016	UK
		Changed	07.12.2022	IW
		Checked	08.12.2022	UK
		Released	08.12.2022	UK
File no.: 3.4				

Customers often ask how to calibrate the temperature of their incubator.

The temperature range to incubate *B. Atrophaeus* spores is 33 - 38°C and for *G. Stearotherophilus* 55 - 60°C. Both have a temperature range of 5 K. Therefore, a calibration within 1 K is not necessary.

For calibration a normal thermometer and water can be put into one of the holes of the aluminum block to check if the temperature on the display is equivalent to what is measured on the thermometer.



The display shows usually 1 – 2 K less in comparison to what is measured with the thermometer in the hole. This is consciously done because the SCBIs being put in are not totally covered from the aluminum block and the temperature inside the SCBI is also typically 1 – 2 K below the aluminum block temperature.

Since the GKE recommended incubation temperature can fluctuate +/- 2,5 K it is typically non-critical for an electronic device and easy to achieve.

Calibration certificates are only required each year for the recalibration of very accurate temperature measurements which are not necessary for this application.