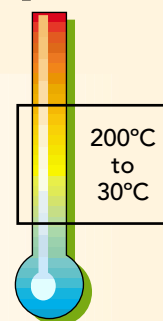


# 820 Large Volume Liquid

## Calibration Bath



If you have a large number of sensors to calibrate then this new economically priced stirred liquid bath is the solution.

The Aquarium bath has been introduced to provide a liquid calibration bath with a large volume. This is to allow the bath to be used with many temperature probes simultaneously immersed in the bath or with accessories it may be used to maintain standard resistors at a constant temperature.

The liquid in the bath is heated to the set temperature and circulated by a propeller system.

The Aquarium is of robust construction and the liquid is contained in a stainless steel insulated enclosure which has a calibration volume 185mm long x 140mm wide x 300mm deep.

### Controller Note:

The controller includes features custom designed for Isotech by a world-leader in temperature control technology. Power feedback is used to stabilise against supply voltage changes, leading to greater stability. A digital filter circuit ensures high integrity of measurement correcting for drift, rejecting 50/60HZ pick-up and filtering out other sources of input noise. The four-digit display autoscales from 0.01° to 0.1°.

*Large volume for the calibration of a number of sensors,  
Wide temperature range 30°C to 200°C, 10 page  
evaluation report on request,  
Good comparison accuracy  $\pm 0.01^\circ\text{C}$  inside equalising block*



|  |  |
|--|--|
| Model No.                                | 820  |
| Accuracy                                 | Better than $\pm 0.01^\circ\text{C}$ by comparison in equalising block                         |
| Temperature range                        | Ambient $+5^\circ\text{C}$ to $200^\circ\text{C}$  |
| Available calibration volume             | 185mm x 140mm x 300mm  |
| Capacity                                 | Approximately 15 litres  |
| Maximum depth of immersion               | 300mm  |
| Power                                    | 1000W<br>108-130 or 208-240VAC, 50/60Hz  |
| Performance summary                      | Please ask for the 10 page full evaluation   |
| Communications                           | Supplied as standard with serial interface, PC adaptor cable and Cal NotePad, See page 46      |
| Recommended liquids                      | Water to $90^\circ\text{C}$ , Silicon Oil to $200^\circ\text{C}$<br>Oil for standard resistors |
| Dimensions                               | Height 645mm Overall<br>Width 240mm<br>Depth 378mm   |
| Weight                                   | 17 kg  |
| <b>Options</b>                           |  |
| 820/01                                   | Standard Resistor Holder   |
| 820/02                                   | Standard Aluminium Equalising Block  |
| 820/02S                                  | Special Drilling Equalising Block  |
| 915/07                                   | Medium Viscosity Oil $40^\circ\text{C}$ to $180^\circ\text{C}$                                 |
| 915/08                                   | High Viscosity Oil $150^\circ\text{C}$ to $250^\circ\text{C}$                                  |
| 915/09                                   | VH Temperature Oil $50^\circ\text{C}$ to $288^\circ\text{C}$                                   |
| 932-19-72                                | Standard Resistor Oil  |
| <b>How to Order</b>                      |  |
| 820 Large Volume Liquid Calibration Bath |  |
| Please specify voltage required          |  |