

DATASHEET

Model-820

Isotech

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30 to 200°C

Large Volume Calibration Bath

Model 820

- Large volume for calibration of a number of sensors,
- Wide temperature range 30°C to 200°C
- Good comparison accuracy $\pm 0.01^\circ\text{C}$

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

The 820 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 also 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.

Refer to 'Liquid Selection Guide' on page 81 for information on liquids and important Health and Safety Information.



Model	820
Temp Range	30°C – 200°C
Volume	185 x 140 x 300mm (15 litres)
Absolute Stability	$\pm 0.003^\circ\text{C}$ (Direct in water, 50°C) $\pm 0.020^\circ\text{C}$ (Direct in VH Oil, 200°C)
Uniformity	0.005°C - between corners at 100mm depth
Heating time	50°C to 200°C < 145 minutes (VH Oil)
Communications	Includes Serial Interface, PC Cable and Software
Dimensions	240mm wide 378mm deep 645mm high overall
Weight	17kg
Safety	Compliant to CE Regulations
Power	1kW 108-130 or 208-240V, 50/60Hz

Accessories

820/01	Standard Resistor Holder
820/02	Standard Aluminium Equalising Block
820/02S	Special Drilling Equalising Block
915/07	Medium Viscosity Oil 40°C to 180°C
915/08	High Viscosity Oil 150°C to 250°C
915/09	VH Temperature Oil 50°C to 288°C
932-19-72	Standard Resistor Oil

How to Order

820 Large Volume Liquid Calibration Bath
Please specify voltage required

Refer to Evaluation Report for Full Details