

Cooled Temperature Water Bath (-5°C to +85°C)

LABEC Cooled Temperature Water Bath

is manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability.

Using an internal element and submerged RTD sensor connected to a digital temperature control, the temperature can be controlled to 0.1°C.

The baths are supplied with a perforated tray which covers the element and allows even circulation of the contents of the bath. A pump circulates the water through the chamber for even cooling and excellent temperature uniformity.



Data logging

When optioned the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

Additional options

To suit the range of baths, options include gabled lids in stainless steel or clear polycarbonate. A manual reset over temperature cut off, programmable temperature controller and a on/off timer can also be fitted. Pump out feature for supplying conditioned fluids to a external apparatus is also available.



PID Control display system

Controller – A digital display temperature controller controls the temperature within the range -5°C to +85°C, with the optional temperature range of -20°C to +100°C available.

Standard features include:

- RCD/ELB (earth leakage breaker).
- Stainless Steel exterior and interior.
- Stainless Steel flat lid included.
- Excellent temperature uniformity.



NOTE: FLAT LID INCLUDED. Gabled lids are optional. When ordering optional lid add the appropriate suffix to the bath code (eg: LBC-4-AG).

Serving the Scientific, Medical and Research industries since 1945

LABEC

LABEC

Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd

email: sales@labec.com.au

Ph: 02 9560 2811 • Fax: 02 9560 6131

www.labec.com.au

SPECIFICATIONS

Cooled Temperature Water Bath (-5°C to +85°C)

| Model | LBC-4 | LBC-6 | LBC-8 |
|--------------------------|--|-----------------|-----------------|
| Capacity (litres) | 12 | 16 | 25 |
| Int. Dim. (mm) L x W x D | 300 x 230 x 170 | 320 x 300 x 170 | 500 x 300 x 170 |
| Ext. Dim. (mm) L x W x D | 750 x 610 x 400 | 750 x 610 x 400 | 750 x 610 x 400 |
| Temp. Controller | Digital PID Controller | | |
| Temp. Min | -5°C | | |
| Temp. Max | +85°C | | |
| Temp. Setting Accuracy | +/- 0.1°C | | |
| Temp. Fluctuation | +/- 0.2°C | | |
| Temp. Sensor | Pt 100 ohms | | |
| Heating System | Electric Element | | |
| Refrigeration | R134a CFC free | | |
| Interior Material | Stainless Steel | | |
| Exterior Material | Stainless Steel | | |
| Options | Low temp option to -20°C, high temp option to 90°C, inlet/outlet pump 10 litres/minute to separate apparatus, larger custom units, | | |
| Power (W) | 1000 | 1500 | 2000 |
| Weight (kg) | 31 | 36 | 44 |

Serving the Scientific, Medical and Research industries since 1945

LABEC



Laboratory Equipment Pty Ltd

Laboratory Equipment Pty Ltd

email: sales@labec.com.au

Ph: 02 9560 2811 • Fax: 02 9560 6131

www.labec.com.au