

TCON 2000 Dry Bath

The TCON 2000 is a high precision dry bath system, that provides precise control to maintain test tubes at a preset temperature. It is far more convenient than water bath systems, requires less space and needs little maintenance.

Key Features

- ◆ Aluminum baths allow for precise temperature control and very high stability.
- ◆ Built-in channels and ports for purging tube wells with dry air to help prevent condensation.
- ◆ Keypad/LCD display interface for stand alone use in the lab.
- ◆ RS-232 serial port automatically outputs temperature data to a PC and also provides external control if desired.
- ◆ Interfaces with Duratech's ASP-960 Autosampler, and DTIR Infrared Spectrum Analyzer to provide an automated solution for your needs.
- ◆ Manuals, software, firmware updates and brochures are available at www.duratech.biz.
- ◆ The TCON design is readily adaptable to many form factors.
- ◆ Please inquire about custom applications.

- ◆ Easy to Use
- ◆ Precise Temperature Control
- ◆ 0°C to 70°C
- ◆ Four Temperature Zones
- ◆ Little Maintenance

 Certified

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Technical Specifications

Physical:

Length: 15"
Width: 5"
Height: 10"
Display: Backlit LCD

Power Requirements:

115VAC 60 Hz, single phase 3 amps
230VAC 50 Hz, single phase 1.5 amps

Purge Gas:

Nitrogen gas or dehumidified or desiccated air (dew point of -50°C or lower). Gas must be filtered to $10\mu\text{m}$ or better.

Specification	Guaranteed	Typical
Range	0°C to 70°C	-15°C to 70°C
Display Resolution	0.01°C	_____
Setpoint Resolution	0.01°C	_____
Accuracy	Better than $\pm 0.3^{\circ}\text{C}$	Better than $\pm 0.2^{\circ}\text{C}$
Repeatability	Better than $\pm 0.1^{\circ}\text{C}$	Better than $\pm 0.1^{\circ}\text{C}$
Stability	Better than $\pm 0.02^{\circ}\text{C}$	Better than $\pm 0.02^{\circ}\text{C}$
Uniformity	$\pm 0.1^{\circ}\text{C}$	Better than $\pm 0.05^{\circ}\text{C}$

Zones and Tube Sizes

Number of Zones	Heaters Per Zone	Temperature Sensors Per Zone
4	2	1
2	4	2
1	8	4

Number of Tubes

Tube Size	4 Zone	2 Zone	1 Zone
10 mm	40	50	55
18 mm	32	32	36
26 mm	24	30	33
34 mm	8	10	11
40 mm	8	8	8



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