



Thermal Cycler DNA

- TC-3000 is space saving, low cost and reliable personal cycler, designed for research and teaching laboratories.
- TC-412 is a full size thermal cycler, high performance, reliable at affordable price.
- User-friendly interchangeable block system for TC-412
- Adjustable heated lid. (100°C to 115°C)
- Both models can be connected to a PC along with other Techne cyclers.

Specification			
Model		TC-3000	TC-412
Block Format	0.5ml capacity	20	60
	0.2ml capacity	25	96
Block Temp.	Maximum ramp rate	3.6 °C/sec	2.6 °C/sec
	Block uniformity @ 50 °C	±0.1 °C	<±0.3 °C
	Temperature range	4 °C to 99 °C	4 °C to 99 °C
Heater Lid	Selectable heated lid temperature	100 °C to 115 °C	100 °C to 115 °C
	Heated lid enable/disable	YES	YES
	Over-temperature cut-out	NO	YES
Programming	No. of programs	80	80
	Password protection	YES	YES
	Programming display	4-line alphanumeric	4-line alphanumeric
	Auto restart on power failure	YES	YES
Dimensions L x W x H (mm)		330 x 170 x 190	420 x 220 x 260



Order Information	
FTC3/02	TC-3000 thermal cycler for 25 x 0.2ml microtubes, 230V
FTX3/05	TC-3000 thermal cycler for 20 x 0.5ml microtubes, 230V
FTC4384D	TC-412 thermal cycler for 384-well microplate, 230V
FTC41S5D	TC-412 thermal cycler for 60 x 0.5ml microtubes, 230V
FTC41F2D	TC-412 thermal cycler for 96 x 0.2ml microtubes or 96-well fully skirted plate, 230V
FTC41H2D	TC-412 thermal cycler for 96 x 0.2ml microtubes or 96-well plate, 230V
FTC41FLD	TC-412 thermal cycler for with flat plate for In-situ, 230V

Hybridisation Incubator

- Compact, easy to use and provides complete protection from hybridisation hazard
- High capacity which can hold up to 24 mini-tube or 6 unique large tubes
- Hybridisations can be performed with a minimal volume of 5 ml of probe
- Unique double-glazed glass door, providing durable protection

Specification	
Model	Hybridiser HB-1D
Max / Min Temp.	100 °C / ambient +10 °C
Adjustable Rotation Speed	0, 5 to 20rpm
Adjustable Rocking Platform	5-20 or 15-60rpm
Stability in Chamber / Tube	<1.0 °C / <±0.1 °C
Uniformity in Chamber / Tube	<±1.5 °C / <±1.0 °C
Set point resolution / Accuracy	0.1 °C / <±0.3 °C
Size L x W x H (mm)	285 x 385 x 555



Gelation Timer

- Used to measure the transition from liquid to solid during polymerization
- Stops automatically when gelation occurs
- Easy to use, push button display
- Plungers are removable for easy cleaning
- Sample cups and disposable plungers are available

Specification		
Model	GT-5	GT-6
Rotation speed	1rpm	10rpm
Timer resolution	1min / 0.1min (6sec)	0.1min (6sec)



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Temperature Controlled Circulating Bath

- 4 Types of thermoregulators and 5 size of baths available
- High temperature stability
- PC software for programming and control
- Dip and flow cooler available for achieve low temperature up to -40 °C

Specification				
Model	TE-10A	TE-10D	TE-20D	TE-20HT
Temp. Range*	-20 to +95 °C	-40 to +120 °C	-40 to +200 °C	-40 to +250 °C
Controller	Analog	Digital	Digital	Digital
Stability @40 °C	±0.01 °C	±0.01 °C	±0.005 °C	±0.005 °C
PC Interface	No	No	RS232	RS232
Cooling Coil	No	No	No	Option
Software	No	No	Accessory	Standard
Power	230V 1000W	230V 1000W	230V 1800W	230V 1800W

Bath Capacity	8L	12L	18L	26L	48L
Int. Dims Lx Wx H (mm)	240x300x150	329x300x150	505x300x150	505x300x200	559x330x274
Ext. Dims Lx Wx H (mm)	265x325x172	354x325x172	530x325x172	530x325x222	594x365x298

* Refrigeration is required for below ambient cooling



TU-20C

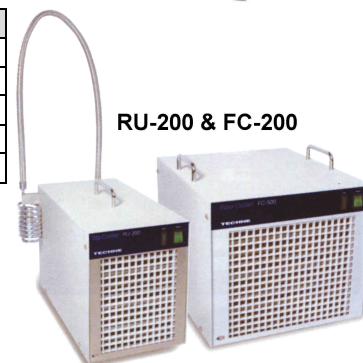


TE-10D w/ 26L bath

Dip and Flow Cooler

- Use with TECHNE liquid baths for achieve low temperature up to -35 °C
- Compact Size, dip or flow models available

Specification				
Model	FC-200	FC-500	RU-200	RU-500
Type	Flow	Flow	Dip	Dip
Min Temp. *	-20 °C	-35 °C	-20 °C	-35 °C
Size L x W x H (mm)	420x235x300	430x370x325	420x235x300	430x370x325
Coil size (mm)	---	---	75(dia.) x 85	75(dia.) x 85

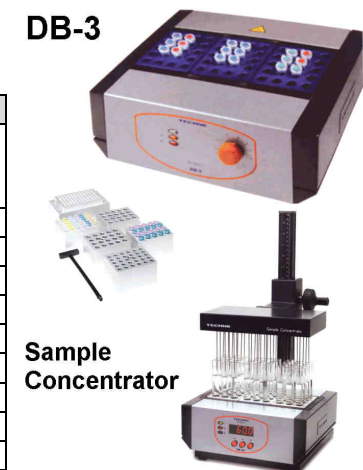


RU-200 & FC-200

Dri-Block Heater

- Analog control for DB-3 and digital control for DB-3D
- Wide range of aluminum insert block for selection
- Upgrade to 96-well **Sample Concentrator** by adding the gas chamber and stand module FSC496D
- Sample concentrator is used to accelerate concentration of chemical samples in a matter of minutes by using Dri-Block heater with an adjustable gassing hood

Specification			
Model	Sample Concentrator FSC400D	DB-3	DB-3D
Temp. Range	---	Ambient - 100 °C	Ambient - 200 °C
Temp. Stability	@40 °C	±0.05 °C	±0.1 °C
	@100 °C	±0.1 °C	±0.15 °C
Temp. Accuracy	---	±2 °C	±1 °C
Heat Up Time	30-37 °C	8mins	11mins
	30-56 °C	12mins	15mins
	Min-Max	18mins	25mins
Size L x W x H (mm)	295x240x530	279x260x105	279x260x105
Gas Supply Pressure	Max 2 psi	---	---
Power	---	230V 50Hz	230V 50Hz



DB-3

Sample Concentrator



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