PRECISE CIRCULATING BATHS
Choice of baths and immersion circulators
"Digiterm-S-150" and "Digiterm-TFT-200"

CONTROLLABLE TEMPERATURES FROM AMBIENT +5 °C TO 150 OR 200 °C.
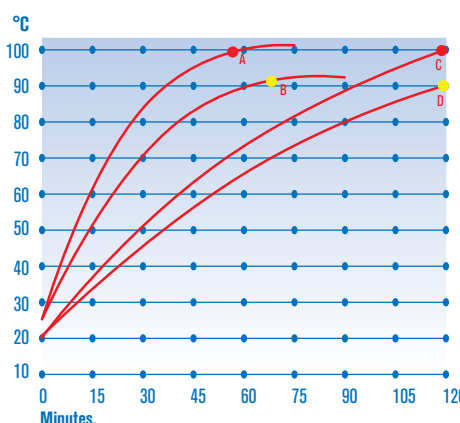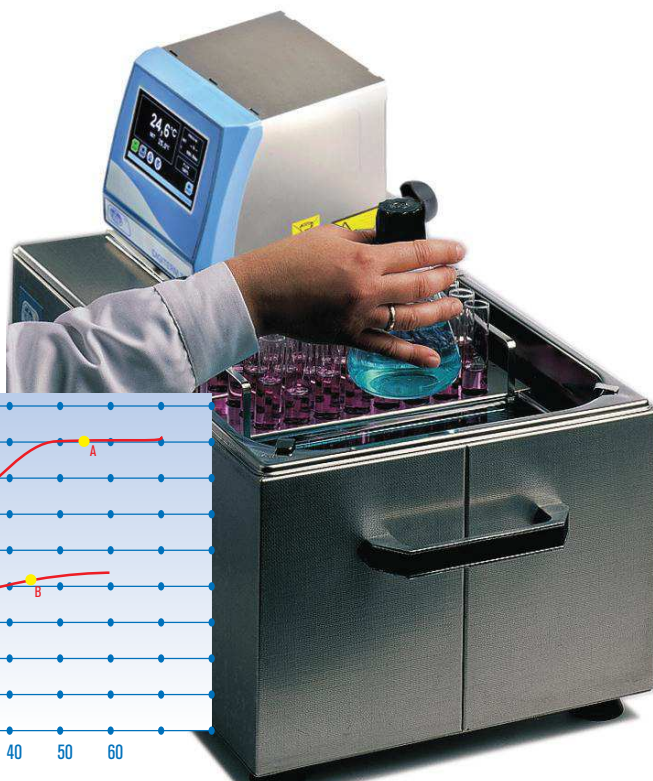**CAPACITY FROM 20 TO 27 LITRES.**

APPLICATIONS
Incubation processes, Enzymatic reactions, Fermentation, laboratory cultures in general.
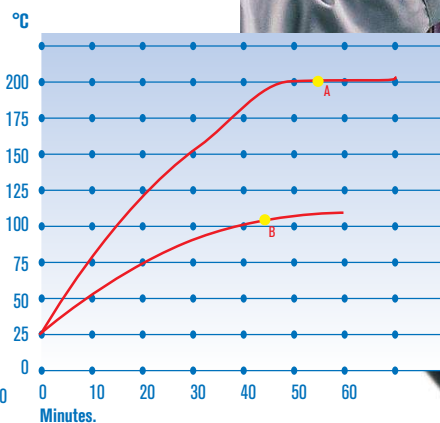
COMMON FEATURES
Double skinned baths with an AISI 304 stainless steel internal tank with an AISI 304 stainless steel external, for convenience, handles at the side and drain tap are provided as standard. A detachable immersion thermostat for controlling stirring and temperature is fitted. A cooling coil with the use of tap water or cooled re-circulator can be used to maintain ambient temperatures. Internal or external circulation pump (Polarimeters, refractometers and viscometers, etc)

Graph of temperature and time for the Tectron Bio 100 and Digiterm-S-100 and Digiterm-TFT-200, units with capacity of 20 litres.
Tests completed with water up to 100°C:
A. Digiterm-TFT-200 with lid at 100 °C.
B. Digiterm-TFT-200 no lid at 90 °C.
C. Digiterm-S-100 with lid at 100 °C.
D. Digiterm-S-100 with no lid at 90 °C.

Graph of temperature and time for the Digiterm 100 and 200, units with capacity of 20 litres.
Tests completed with Silicon oil up to 200°C:
A. Digiterm-TFT-200 with lid at 200 °C.
B. Digiterm-TFT-200 with lid at 100 °C.
27 litres capacity baths take 20% more time to reach the same temperature.

Bath circulators "Digiterm-S-150"

CUVETTES SET OF 20 AND 27 L. CAPACITY, WITH THERMOSTATIC EQUIPMENT INCLUDED.
FORT TEMPERATURES FROM AMB+5 TO 150 °C.
STABILITY: ±0,1 °C. RESOLUTION: 0.1 °C.

SAFETY:
SAFETY STANDARD DIN 12876.
SAFETY ADJUSTABLE OVER TEMPERATURE CUT OFF WITH MANUAL RESET.
LOW LIQUID LEVEL CUT OFF.

CONTROL PANEL
Display temperature indicator of the bath.
Set temperature indicator display.
Heater function light indicator.
Start/Stop button.
"SET" button (temperature/time).

Push button to decrease set value.
Push button to increase set value.
PT 100 external probe connection.

MODELS	Part No.	Temperature Range °C	Cuvettes Capacity litres	Height / Width / Depth (interior) cm			Height / Width / Depth (exterior) cm			Pump		Power W	Weight Kg
										Pressure mbar	Pump rate l/min		
DIGITERM-S-150-20	3000548	150	20	15	30	29	36	55	35	150	12	2000	9.2
DIGITERM-S-150-27	3000549	150	27	20	30	29	41	55	35	150	12	2000	10.8

Bath circulators "Digiterm-TFT-200"

WITH IMMERSION THERMOSTAT DIGITERM-TFT-200.
CUVETTES SET OF 20 AND 27 L.
FROM AMBIENT +5 °C TO 200 °C. STABILITY ±0.1 °C. SET ERROR ±2 °C. RESOLUTION 0.1 °C.

RS232

USB

SAFETY: CONFORMS TO THE DIN 12876. STANDARD. ADJUSTABLE OVER TEMPERATURE SAFETY CUT OFF WITH ADJUSTABLE MANUAL RESET.
LOW LIQUID LEVEL CUT OFF. ELECTRICAL FAULT ALARM.

FEATURES

Temperature sensor probe Pt 100.
Heating element made of stainless steel INCOLOY, resistant to high temperatures and corrosive environments.
Circulation pump with flow rate, suitable for external temperature control for: (Polarimeters, refractometers, viscometers, etc).
Cooling coil to maintain ambient temperatures, using tap water.
External temperature control connection using a Pt 100 probe (see page104).
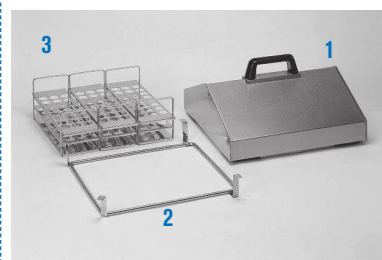External metal case made of AISI 304 stainless steel.
Handles at the side and drain tap.

MODELS	Part No.	Temperatura Range °C	Cuvettes Capacity litres	Height / Width / Depth (interior) cm			Height / Width / Depth (exterior) cm			Pump Pressure mbar	Pump rate l/min	Power W	Weight Kg
TFT-200 20	3000550	200	20	15	30	29	36	55	35	150	12	2060	10
TFT-200 27	3000551	200	27	20	30	29	41	55	35	150	12	2060	12

ACCESSORIES see page 104.

ACCESSORIES for the DIGITERM-S-150 and DIGITERM-TFT-200. Made of AISI 304 stainless steel.

1. Gable lid. Part No. 3001295
2. Lifting rack support. Capacity 3 tube racks. Part No. 1001296
3. Tube racks for lifting rack support.

Part No.	For Ø tubes mm	Capacity Rack tubes	Height/Width/Depth (exterior) cm		
1001202	13	36	8	8.2	23.6
1001203	16	24	8	8.2	23.6
1001204	20	24	8	8.2	23.6

Immersion thermostat for baths "Digit-Cool"

DIGITAL SELECTOR AND TEMPERATURE CONTROL ADJUSTABLE FROM 0 °C TO 100 °C.
STABILITY: 100 °C ±0.1 °C, AND AT 0 °C ±0,1 °C. SET ERROR: ±0.1 °C. RESOLUTION: 0.1 °C.

RS232

SAFETY: STANDARD DIN 12876. SAFETY OVER TEMPERATURE THERMOSTAT WITH ADJUSTABLE MANUAL RESET.
LOW LIQUID LEVEL SENSOR PROTECTION.

FEATURES

Maximum volume to achieve the working temperature: 20 litres.
Minimum depth of the elements with contact with the liquid: 15 cm.
Hermetically sealed compressor.
RS-232 out put to a computer control or printer.
Portable control and stirring unit with lifting handle.

Autonomous unit with cooling system

Compressor unit built-in

CONTROL PANEL

Main power switch.
LCD Display showing working parameters.
Push button configuration selector.
Push button parameter selection.
Push button increase/decrease set value.
Start / Stop, push button.

Digitcool thermostat with bath and 4 place ring set lid.

MODEL

Part No.	Control Range °C	Height / Width / Depth (exterior) cm			Pump Pressure / Flow H₂O	Power W	Power H.P.	Weight Kg
3001373	0 +100	45	21	51	150 mbar / 12 l/min	1460	1 / 5	22

ACCESSORIES See page 104.

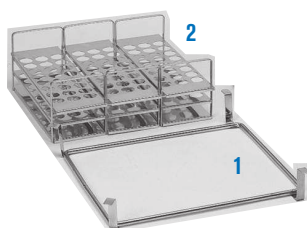**ACCESSORIES** for thermostatic unit digit-cool.

Stainless steel baths.
Double skinned with an AISI 304 stainless steel exterior with a bath of AISI 304 stainless steel interior. Supplied with a drain tap and lifting handles.

1. Lifting rack support. .
Capacity 3 tube racks. Part No. 1001296
2. Tube racks for lifting rack support.

Part No.	For Ø tubes mm	Capacity Rack tubes	Height / Width / Depth (exterior) cm		
1001202	13	36	8	8.2	23.6
1001203	16	24	8	8.2	23.6
1001204	20	24	8	8.2	23.6

Ring set lid 105, 80, 60 and 37 mm Ø reduction rings and a check thermometer location hole in the lid.
Capacity 4 places.
Part No. 1001374

Digitcool thermostat with bath and 4 place ring set lid.

MODELS

Part No.	Capacity litres	Height / Width / Depth (usable) cm			Height / Width / Depth (exterior) cm			Weight Kg
6000392	20	15	48	30	20	55	35	6.6
6000393	27	20	48	30	25	55	35	7.6

ACCESSORIES FOR IMMERSION THERMOSTATS

Pt100 temperature sensor with handle
4 mm Ø x 135 mm long submersion.
Supplied with a 150cm cable and connector .
Part No. 1000893

Silicone oil 4 liters. Temperature up to 300ºC. Viscosity 50 mm^2/s at 25 ºC. Melting point 318 ° C. Part No. 1000027

Extension support bridge.
Made of AISI 304 stainless steel, adjustable, to fit the immersion thermostat models "Tectron and "Digiterm".
Support for apertures from 22 to 44 cm across.
Part No. 6001094

Example showing the support bridge. Part No. 6001094.

Stainless steel baths.
Double skinned with an AISI 304 stainless steel exterior and internal bath of AISI 304 stainless steel.

MODELS

Part No.	Capacity litres	Height / Width / Depth (usable) cm			Height / Width / Depth (exterior) cm			Weight Kg
6000390	9	15	29	22	20	34	28	3.5
6000391	12	15	30	31	20	37	35	4.3
6000392*	20	15	48	30	20	55	35	6.6
6000393*	27	20	48	30	25	55	35	7.6
6001093*	45	15	62	50	23	70	56	11

* With drain tap and lifting handle.

Stainless steel baths, thermally insulated. Ideal for low temperatures. Suitable for J.P. Selecta refrigerated units. Similar to our other bath but with additional internal expanded foam insulation that prevents external condensation or heat loss, working temperature range from –40°C to +90°C.

MODELS

Part No.	Capacity litres	Height / Width / Depth (usable) cm			Height / Width / Depth (exterior) cm			Weight Kg
6003901	9	15	29	22	24	40	34	6
6003921*	20	15	48	30	24	61	41	9
6003931*	27	20	48	30	29	61	41	11

* With drain tap and lifting handles.

Removable constant liquid level. Suitable for any type of bath. Adjustable height to obtain the required liquid level.
Part No.
6001400 Bath depth up to 15 cm.
6001800 Bath depth up to 20 cm.

Methacrylate baths. Maximum temperature 60 °C.

MODELS

Part No.	Capacity litres	Height / Width / Depth (usable) cm			Thickness mm
1000394	8	15	18	31	6
1000544	9,5	14,5	16,5	39	6
1000395	13	15	23	40	8
1000396	30	20	30	50	8

Thermometer support. Stainless steel, suitable for thermometer. Fixation aperture up to 40 mm.
Part No. 6000896

Thermometer.

Suitable for "Tectron-Bio" immersion thermostat. Scale -10 to 100 °C. See page 296
Part No. 1001257