



Immersion thermostat with digital control "Digiterm S-150"

ADJUSTABLE TEMPERATURE FROM AMBIENT +5°C TO 100°C.
With external refrigeration from -20 to 100.

High precision temperature control

SAFETY:

STANDARD DIN 12876. 1. SAFETY OVER TEMPERATURE THERMOSTAT WITH ADJUSTABLE MANUAL RESET
2. OVER TEMPERATURE ALARM - 3. LOW LIQUID LEVEL FLOAT

FEATURES

Maximum working volume to maintain maximum temperature: 20 litres.
A clamp and finger screw attach the unit to the tank, alternatively the extendible support bridge accessory can be used.
Minimum fixing depth to the tank: 14 cm.
RS-232 interface for computer control or printing data.

CONTROL PANEL

1. Bath temperature display indicator.
2. Set temperature display indicator.
3. Heater function light indicator.
4. Set value decrease button.
5. Set value increase button.



NEW DESIGN

REGULATION SYSTEM A

MODELS	Part No.	Control range °C	Stability °C	Height / Width / Depth (exterior) cm	Pump Pressure / Flowrate H.O	Power W	Weight Kg
DIGITERM S-150	3000543	Amb +5 to 150	±0,05	28 18 19	150 mbar-5,6 l/min.	1060	3,9

Accessories (See page. 106).



Immersion thermostat with TFT touch screen "Digiterm TFT-200"

ADJUSTABLE TEMPERATURE FROM AMBIENT +5°C TO 200°C.
With external refrigeration from -20 to 200.

High precision temperature control

SAFETY:

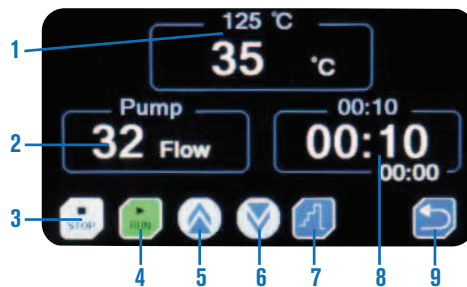
STANDARD DIN 12876. 1. SAFETY OVER TEMPERATURE THERMOSTAT WITH ADJUSTABLE MANUAL RESET
2. OVER TEMPERATURE ALARM - 3. LOW LIQUID LEVEL FLOAT

FEATURES

Maximum working volume to maintain maximum temperature: 20 litres.
A clamp and finger screw attach the unit to the tank, alternatively the extendible support bridge accessory can be used.
Minimum fixing depth to the tank: 14 cm.
RS-232, USB and Ethernet output.

CONTROL PANEL

1. Set/ current temperature indicator.
2. Pump flow indicator (%).
3. Stop button.
4. Start button.
5. Push up parameter.
6. Push down parameter.
7. Ramps / cycles button.
8. Set / current time indicator in hours / minutes.
9. Return button.



NEW DESIGN

REGULATION SYSTEM B

MODELS	Part No.	Control range °C	Stability °C	Height / Width / Depth (exterior) cm	Pump Pressure / Flowrate H.O	Power W	Weight Kg
DIGITERM TFT-200	3000544	amb.+5 to 200	at 100 °C ±0,05 at 200 °C ±0,1	28 18 19	150 mbar-5,6 l/min.	2060	4,5

Accessories (See page. 106).



Recirculation thermostat “Ultraterm-TFT-200”

ADJUSTABLE TEMPERATURES
FROM AMBIENT+5 °C TO 200 °C.

NEW
DESIGN

REGULATION
SYSTEM
B

SAFETY:

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

FEATURES

Maximum working volume to maintain maximum temperature: 8 litres.
AISI 304 stainless steel top and lid with an inner tank of AISI 304 stainless steel.
Complete with a pump for internal and external liquid circulation with inlet and outlet connectors. A cooling coil to maintain ambient temperatures using tap water is also provided.

A RS-232 interface for print out or computer control comes as standard.
A drain tap is also fitted.



MODEL

Part No.	Capacity litres	Control range °C	Stability °C	Height / Width / Depth (usable) cm	Height / Width / Depth (exterior) cm	Pump Pressure / Flowrate H ₂ O	Power W	Weight Kg
3000545	8	From amb. +5 to 200 °C With external refrigeration from -20 to 200	to 100 °C ±0.05 to 200 °C ±0.1	15 20 14	36 28 36	150 mbar-12 l/min	2060	9.5



Refrigerated recirculation baths “Frigiterm-TFT-10” and “Frigiterm-TFT-30”

ADJUSTABLE TEMPERATURE FROM -10 °C TO 100 °C. STABILITY: 0 °C TO 100 °C, ±0.05 °C / -10 °C, ±0.1 °C.
ADJUSTABLE TEMPERATURE FROM -30 °C TO 100 °C. STABILITY: 0 °C TO 100 °C, ±0.05 °C / -30 °C, ±0.2 °C.
SET ERROR : ±1 °C. RESOLUTION: 0.1 °C.

NEW
DESIGN

REGULATION
SYSTEM
B

SANS CFC • SANS PFC • CFC FREE

SAFETY:

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

FEATURES

Maximum working volume to maintain maximum temperature: 8 litres.
AISI 304 stainless steel top and lid with an inner tank of AISI 304 stainless steel.
Complete with a pump for internal and external liquid circulation with inlet and outlet connectors. A drain tap is placed at the side of the unit.

A hermetically sealed compressor is mounted on anti-vibration mounts.
A RS-232 interface for connection to a printer or computer.



MODELS

	Part No.	Capacity litres	Control range °C	Height / Width / Depth (usable) cm	Height / Width / Depth (exterior) cm	Pump Pressure / Flowrate H ₂ O	Power W	Compressor power H.P.	Weight Kg
FRIGITERM-10	3000546	8	-10 + 100	12 20 14	36 66 44	150 mbar-12 l/min	1150	1/8	28
FRIGITERM-30	3000547	8	-30 + 100	12 20 14	36 66 44	150 mbar-12 l/min	1460	3/8	30



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.

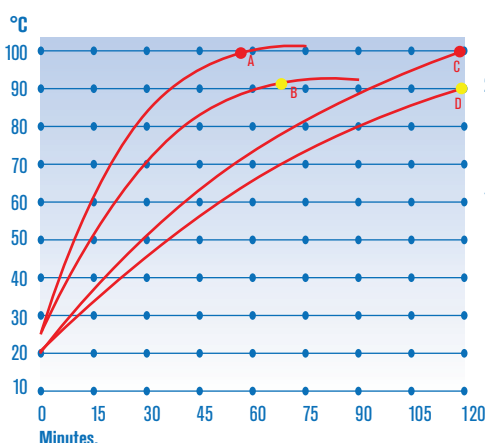
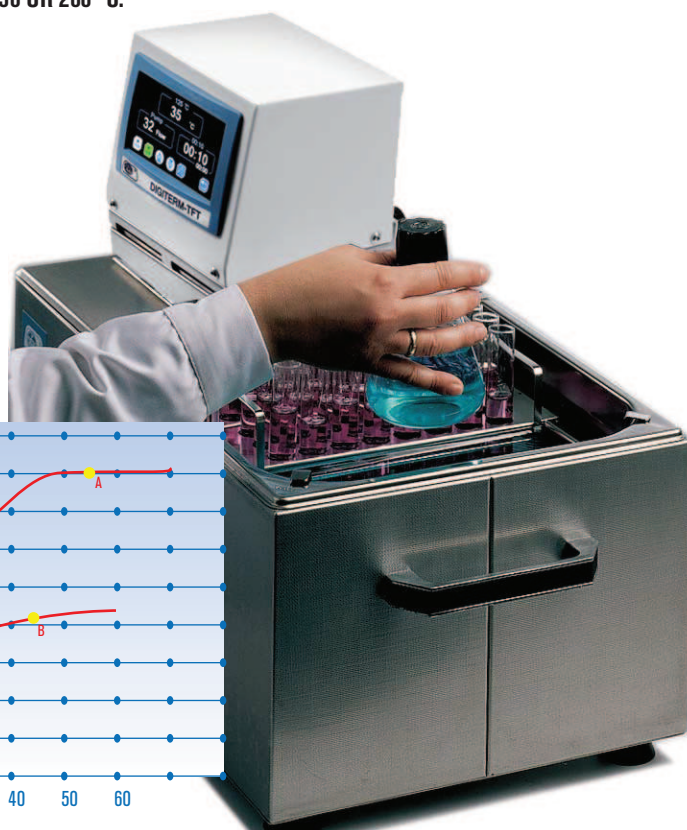
NEW
DESIGN

APPLICATIONS

Incubation processes, Enzymatic reactions, Fermentation, laboratory cultures in general.

COMMON FEATURES

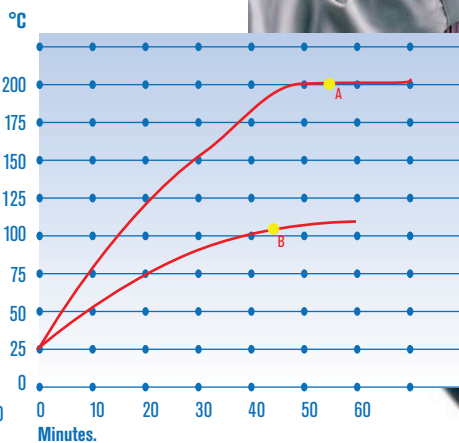
Double skinned baths with an AISI 304 stainless steel internal tank with an AISI 304 stainless steel external, for convenience, handles at the side and drain tap are provided as standard. A detachable immersion thermostat for controlling stirring and temperature is fitted. A cooling coil with the use 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: ±0.05 °C. RESOLUTION: 0.1 °C.

NEW
DESIGN

REGULATION
SYSTEM
A

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



MODELS	Part No.	Temperature Range °C	Cuvettes Capacity litres	Height / Width / Depth (interior) cm	Height / Width / Depth (exterior) cm	Pressure mbar	Pump Pump rate l/min	Power W	Weight Kg
DIGITERM-S-150-20	3000548	150	20	15 30 29	36 55 35	150	12	1060	9.2
DIGITERM-S-150-27	3000549	150	27	20 30 29	41 55 35	150	12	1060	10.8

ACCESSORIES see page 106.



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.

NEW DESIGN



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 page106).

External metal case with a corrosion resistant epoxy coating.

All parts in contact with liquid are 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	Pressure mbar	Pump 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 106.

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 ±0.05 °C. SET ERROR: ±0.1 °C. RESOLUTION: 0.1 °C.

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.

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.

MODEL

Part No.	Control Range °C	Height / Width / Depth (exterior) cm	Pump Pressure / Flow H ₂ O	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 106.

Autonomous unit with cooling system

Compressor unit built-in



Digitcool thermostat with bath and 4 place ring set lid.



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.



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



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.

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**



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. **6001092**



Example showing the support bridge. Part No. 6001092.

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.



Thermometer support. Stainless steel, suitable for thermometer. Fixation aperture up to 40 mm.

Part No. **6000896**

Thermometer.



Suitable for "Tectron-Bio" immersion thermostat. Scale -20 to 100 °C.

Part No. **3009100**

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

