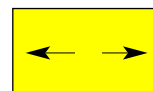




Precise reciprocal shaking baths with microprocessor “Unitronic Reciprocating Shaking Bath” and with refrigeration “Unitronic Reciprocating Shaking Bath C”



UNITRONIC RECIPROCATING SHAKING BATH LINEAR: TEMPERATURE RANGE FROM AMBIENT +5 °C TO 99.9 °C.
 UNITRONIC RECIPROCATING SHAKING BATH C LINEAR: TEMPERATURE RANGE FROM 0 °C TO 99.9 °C.
 STABILITY ±0.05 °C HOMOGENEITY ±0.1 °C, SET TEMP. ERROR ±1 °C, RESOLUTION 0.1 °C.

SAFETY:
 CONFORMS TO THE DIN STANDARD 12879.0. SAFETY THERMOSTAT
 OVER TEMPERATURE CUT OUT WITH MANUAL RESET.

Reciprocal linear agitation, controllable from 10 to 100 oscillations per minute

Controllable time from 1 minute to 99 hours 59 minutes

MICROPROCESSOR CONTROL WITH DIGITAL DISPLAY AND PUSH BUTTON TEMPERATURE SELECTION.
 RS-232 INTERFACE FOR PRINTER OR COMPUTER OUTPUT.



APPLICATIONS

Applications, cell culture and biological samples, yeasts and general applications that require stable and reproducible temperatures.

COMMON FEATURES

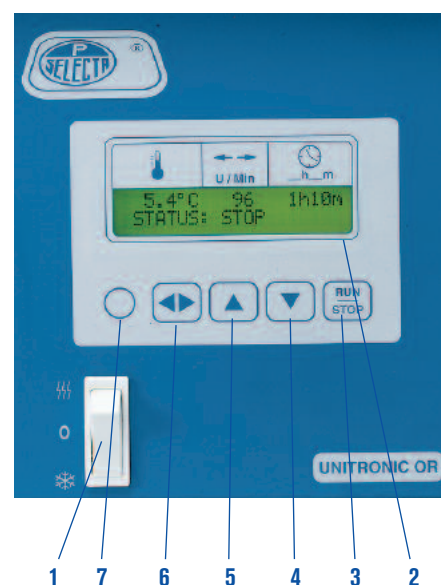
Linear motion sliding tray from 10 to 100 oscillations per minute, with a variable stroke length of 32 or 46 mm.
 Digital display and selection of temperature, oscillations and time.
 Temperature sensor: thermo-resistant Pt100.
 Rack frame support made of AISI 304 stainless steel incorporated in the tank that can accommodate a selection of flasks and racks.
 Interior tank made of AISI 310 stainless steel with an external case of AISI 304 stainless steel.

Built in drain tap.

Ventilated hermetically sealed compressor for refrigeration in the “Unitronic - C”.

CONTROL PANEL

1. Mains power switch.
2. LCD screen that shows:
 - Temperature, oscillations per minute and time.
 - Alarms: set temperature and probe failure.
 - Configuration: °C or °F, temperature calibration and set working temperature limits.
3. Push button Start/ Stop.
4. Push button decrease value.
5. Push button increase value.
6. Push button for parameter selection: temperature, strokes per min. and time.
7. Push button configuration.



“Unitronic Reciprocating Shaking Bath”



“Unitronic Reciprocating Shaking Bath C” Refrigerated Bath



MODELS

	Part No.	Capacity litres	Height / Width / Depth (bath) cm	Height / Width / Depth (support carriage) cm	Height / Width / Depth (exterior) cm	Power W	Weight Kg
UNITRONIC	6032011	27	18 48 29	17 35 24	30 74 40.5	1500	25
UNITRONIC - C	6001173	27	18 48 29	17 35 24	30 74 63.5	1750	43

ACCESSORIES



Support Platform for Erlenmeyer flasks.

Made of AISI 304 stainless steel with location holes for various configurations of Erlenmeyer flask clip supports. Sizes: 50, 100, 250, 500 and 1000 ml.

Part No.	Width / Depth (platform) cm		No. of flasks and capacity per platform					Weight Kg
			50 ml	100 ml	250 ml	500 ml	1000 ml	
3001004	23.5	34.5	20	12	6	6	3	1



Racks: made of AISI 304 stainless steel with adjustable mechanism to fit the bath. Capacity: 2 racks.

Part No.	Tube Ø mm	No. tubes per rack	Height / Width / Depth (rack) cm	
1001233	13	70	8.5	11 34
1001234	16	48	8.5	11 34
1001235	20	48	8.5	11 34



Adapter clips for Erlenmeyer flasks.

Made of tempered stainless steel.

Part No.

1001003	Adapter for	50 ml.
1000978	Adapter for	100 ml
1000979	Adapter for	250 ml.
1000980	Adapter for	500 ml.
1000981	Adapter for	1000 ml.



Gable Lid: made of AISI 304 stainless steel.

Part No. **6000713**



Precision Viscometer Bath "VB-1423"

DIGITAL TEMPERATURE CONTROL FROM AMBIENT +5 °C TO 100 °C.
STABILITY ±0.05 °C. HOMOGENEITY ±0.05 °C. SET ERROR VALUE ±0.09 °C.
RESOLUTION 0.1 °C.

SAFETY:

SAFETY THERMOSTAT CONFORMS TO THE DIN 12879.2. MANUAL RESET.

FEATURES

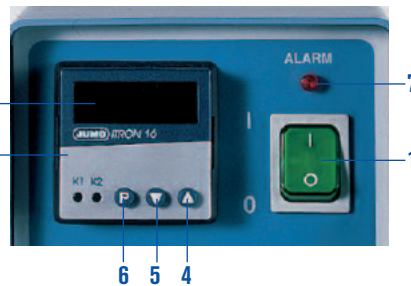
Temperature sensor; Pt100 thermo-resistor, stainless steel AISI 304 lid with three viscometer locations ports, three independent lids and an additional location port for the control thermometer. The main body of the bath is made of a 20 litre borosilicate glass tank. A white plate is located at the back to help optimise and read the viscometers.

CONTROL PANEL

1. Main power switch with luminous ON.
2. Temperature regulator:

 3. Real time temperature display.
 4. Push button increase value.
 5. Push button decrease value.
 6. Push button configure operation.

7. Safety thermostat safety lamp.



MODEL

Part No.	Temperature control range °C	Capacity litres	Height / Ø (tank) cm		Height / Ø (total) cm		Power W	Weight Kg
3001423	amb.+5 up to 100	20	32	30	47	30	1000	8

ACCESSORIES

Universal viscometer support. made from PTFE with stainless steel AISI 304 support. Suitable for the following viscometers :



- Cannon-Fenske for transparent liquids.
- Cannon-Fenske for opaque liquids.
- Ubbelohde.
- Ostwald.
- BS U Tube.
- Cannon-Manning semi-micro.

- Ubbelohde type BS/IP/SL, BS/IP/SL(S) & type BS/IP/MSL.
- DIN Ubbelohde.

Part No. **1001453**

Calibration Chronometers (see page 279).

Thermometers for viscometer baths.

Part No.

1001454	Thermometer ASTM 120C at	38.6 to 41.4 °C	divisions of 0.05 °C.
1001455	Thermometer ASTM 121C at	98.6 to 101.4 °C	divisions of 0.05 °C.
1001456	Thermometer ASTM 91C at	20.0 to 50.0 °C	divisions of 0.1 °C.
1001457	Thermometer ASTM 92C at	40.0 to 70.0 °C	divisions of 0.1 °C.
1001458	Thermometer ASTM 93C at	60.0 to 90.0 °C	divisions of 0.1 °C.
1001459	Thermometer ASTM 94C at	80.0 to 110.0 °C	divisions of 0.1 °C.