Electronic temperature controller “Electemp-B”

ADJUSTABLE TEMPERATURE FROM 0 °C TO 310 °C.



“Electemp-B” application to a hotplate, showing the unit connected with an electronic contact thermometer.

FEATURES

Regulates the power to the heating element by pulsing electronic circuit, free of noise and interferences

APPLICATIONS

Regulates the power of temperature in ovens baths, radiators, hotplates, etc.

CONTROL PANEL

Temperature display indicator.
Set temperature display indicator.
Set value increase/decrease button.

BACK OF CONTROLLER

Output of power (Schuko plug system).
Protection fuse.
Connection for a PT100 probe (included)

MODEL

Part No.	Height / Width / Depth cm (exterior)	Max. power W (at 230 Vav)	Max. power W (at 110 Vav)	Weight Kg
3000896	15 15.5 19	2500	1700	1.2

Digital thermometer “THE-343”

FEATURES

Housing in ABS with anti-slip design for better grip.Supports both K / J type probes for temperature measurement. Dual-channel measurement T1–T2 with differential temperature function. Temperature range (main unit) from –200 °C to 1372 °C (–328 to 2501 °F). Unit switching °C / °F.
Readings with MAX / MIN / AVG and HOLD (data retention) functions
ADJ temperature compensation: –9 to 9 °C (–15.3 to 15.3 °F).
Sampling rate: 1 time/second. Upper alarm limit: 1300 °C (2372 °F).
Lower alarm limit: –200 °C (–328 °F).
4-digit display (max 9999), 37 × 41 mm, with backlight. Low battery indicator. Automatic power-off function and auto-off cancellation. Portable, battery-operated.
Dimensions (height × width × depth): approx. 15.5 × 5.5 × 3.3 cm. Weight: 580 g.
Range of supplied probes: Wired K-type probe: –20 to 200 °C (–4 to 392 °F)
Stainless steel K-type probe: –50 to 700 °C (–58 to 1292 °F)



MODEL	Part No.	Temp. range °C	Resolution °C	Precision °C
THE-343	5903030	-200 a 1372	0,1	according to the probe

The accuracy is specified depending on the range and the type of probe used (does not include the probe error).

ACCESSORY

Sensor type K of 8 mm Ø x 30 cm length. Part No. 5903025

Digital Humidity meter with Thermometer “HT-305E”

FEATURES

Temperature range from 0 °C to 60 °C.
Humidity range from 10% to 95% RH.
Digital Display °C or in °F Fast response: 0.4”.
Power: battery 9 V.
Dimensions: (height x width x depth): 3.2 x 6 x 13.25 cm.
Weight: 264 g.

Part No. 5903023
Supplied complete with humidity / temperature sensor, protective cover and carry case.



MODEL	Part No.	Temp. range °C	Resolution °C	Precision °C	Humidity range %	Humidity resolution %	Humidity precision %
HT-305E	5903023	from 0 to 50	0.1	±0.8	from 10 to 95	0.1	> 70%: ±3% +1% < 70%: ±3%

Reactor for pilot plant "RE-605" and "RE-620"

CAPACITY UP TO 20 LITRES
FOR ATMOSPHERIC PRESSURE OR VACUUM

APPLICATIONS

This equipment is designed for reflux and distillation operations with a stirring element, for all laboratory's pilot plant operations and small productions.

FEATURES

Reactor module built-in, base made of glazed steel in epoxy and tubular structure in stainless steel AISI 304, equipped with an engine group stirring and a reaction jacketed borosilicate glass 3.3 with graduation to temper, for a volume of 4-20 liters in "RE-620" model and 1-5 liters in "RE-605" model.
Stirring anchor blade and elements in contact with the liquid or reaction steam, composed of borosilicate glass and PTFE.
Addition and reflux models.
Optional:
- Configurations for distillation can be supplied.
- Amber glass finish.
- Voltage 110V / 60 Hz.

CONTROL PANEL

Main switch ON / OFF.
Regulator knob for stirring speed from 0 to 500 rpm.
Temperature and RPM digital indicator

MODELS

Part No.	Total dimensions Height / Width / Depth			Reactor capacity	Operating temperature	Power W	Weight Kg
1001710	130	70	35	5	-50 °C to 200 °C	90	10
1001722	140	68	68	10	-50 °C a 200 °C	34	15
1001711	180	62	50	20	-50 °C to 200 °C	250	68



"RE-605" model 5 litres.



"RE-620" model 10 litres.



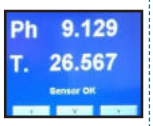
Model "RE-620" 20 litres.

ACCESORIES

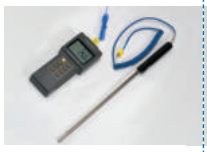
pH analyser temperature from -10°C up to 140°C. 3.5'' color touch screen. 8 digital inputs, 2 configurable analog and 6 relay outputs for signaling and control. Communications: 485 for ARC sensor network. IP-65 box. RS-232 output for connection to a computer. Possibility of performing PID control loops. GSM, RED, TCP / IP modem connections, Probes: O_2, CON, VCD and Redox.



Part number 4120824 (For measurement and reading only).
Part number 4120823 (For measurement, reading and control).
HT glass sensor pH 0-14 + Tª -10 at 100 ºC. Part number 4120801
ARC HT sensor pH 0-14 + Tª -10 at 140 ºC. Part number 4120822
Glass sensor adapter for R-605. Part number 4120802
Glass sensor adapter for R-620. Part number 4120803



Digital thermometer "TC-9226-A"
Temperature range: -200 ºC. to 1370 ºC.
Part No. 5903030
See page. 294



PTFE expansion/contraction **bellows** for coupling between mouth and coolant Part No. 1001984



Stirring rod in the shape of a helix, Ø 9.5 mm in PTFE. and shovel in PTFE (length 65 x width shovel 7 cm). Part No. 1001789



COMMON COMPLEMENTS

Silicone oil 4 liters. Temperature up to 300ºC. Viscosity 50 mm2/s at 25 ºC. Melting point 318 ° C. Part No. 1000027
Peristaltic dosing pump "Peristaltic PR-2004."
For PH stabilisation (acid-base). Also applicable to dosages in process.
Features: See page. 47. Part No. 4129051
Recirculation cryothermostat
For adjustable temperatures from -50 ºC. to 200 ºC.

FOR REACTOR R-605

Recirculation thermostat "Ultraterm-TFT-200".
For adjustable temperatures from ambient +5 ºC. to 200 ºC.
Part No. 3000545 See page. 311.
Recirculation cryothermostat "Frigiterm-TFT-30".
For adjustable temperatures from -30 ºC. to 100 ºC.
Part No. 3000547 See page. 311.

FOR REACTOR R-620

High power recirculation thermostat "Interheater"
For adjustable temperatures from ambient +5 ºC. up to 90 ºC.
Part No. 6001491 / 6001497 See page. 111.
Water refrigerador and recirculator
For temperatures from -20°C to +40 ºC.