



Microbiological dry bath Incubator (4 heating blocks)



Introduction

TC0401003 Dry Bath Incubators can accommodate various interchangeable heating blocks and provide precise temperature control for reproducible results.

Dry Bath Incubators are ideal for incubation and activation of cultures, melting and boiling point determination, enzyme reactions, immunoassays, blood urea nitrogen determinations and a wide variety of other laboratory applications.

Features

1. LED display for easy reading
2. 3D digital wheel adjustment of speed and temperature
3. Adjustable temperature is up to 150°C
4. High temperature stability is up to $\pm 0.5^\circ\text{C}$
5. Machined aluminum heating unit allows for highly precise control of temperature
6. Included PT1000 temperature sensor allows temperature control directly in the sample vessel.
7. Adjustable timing range of 1min to 99h59min
8. Fixed safety circuit
9. Error code display
10. Various applications with different blocks
11. Automatic calibration with external PT1000 temperature sensor

Specifications

Model	TC0401003
Number of blocks	4
Heat output [W]	430
Heating temperature range [°C]	room temp. +5 - 150
Temperature display	LED
Adjustment and display resolution [K]	0.1
Connection for ext. temperature sensor	DIN 12 878
PT 1000 variation; DIN EN 60751 Kl. A [K]	$\leq \pm (0,15 + 0,002 \times T)$
Temperature stability within the blocks at $<60^\circ\text{C}$ * [$\pm^\circ\text{C}$]	0.5

Temperature stability within the blocks at >60°C * [±°C]	1
Temperature Uniformity <60°C * [K]	0.5
Temperature Uniformity >60°C * [K]	1
	4
Heating rate / Heat up time with external sensor * [K/min]	
Set-up plate material	Aluminium alloy
Set-up plate dimensions [mm]	96 x 304
Fixed safety circuit [°C]	150
Timer	yes
Time setting range	1 min - 99h59min
Dimensions (W x H x D) [mm]	152 x 86 x 465
Weight [kg]	7.5kg
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Protection class according to DIN EN 60529	IP 21
Voltage [V]	220 - 240 / 115
Frequency [Hz]	50/60
Power input [W]	412

Accessories

Part No.	Description		
		TC0401001-77	single block, vials, 20x 15mm, Φ15.8mm x 35mm
TC0401001-35	single block, Eppendorf tubes, 20 x 1.5ml, Φ11.5mm x 36.9mm	TC0401001-78	single block, vials, 12x 17mm, Φ17.8mm x 45mm
TC0401001-60	single block, PCR tube, 30 x 0.5ml, Φ7.9mm x 27.6mm	TC0401001-79	single block, vials, 12x 19mm, Φ19.7mm x 45mm
TC0401001-62	single block, Microtubes, 20 x 1.5ml, Φ11.1mm x 39.1mm	TC0401001-80	single block, vials, 9x 21mm, Φ21.7mm x 45mm
TC0401001-63	single block, Eppendorf tubes, 20 x 2.0ml, Φ11.5mm x 38.1mm	TC0401001-81	single block, vials, 8x 23mm, Φ23.8mm x 45mm
TC0401001-64	single block, Corning tubes, 20 x 2.0ml, Φ10.9mm x 38.1mm	TC0401001-82	single block, vials, 8x 25mm, Φ25.8mm x 45mm
TC0401001-54	single block, Conical tubes, 12 x 15ml, Φ17.1mm x 44.5mm	TC0401001-83	single block, vials, 6x 28mm, Φ28.8mm x 45mm
TC0401001-55	single block, Conical tubes, 5 x 50ml, Φ29.0mm x 47.6mm	TC0401001-84	single block, vials, 15x 16mm, Φ16.4mm x 45mm
TC0401001-65	single block, test tube combination, 6/5/3 x 6/12/13/25mm	TC0401001-85	single block, 10x8 PCR tube strips, 0.2ml tubes
TC0401001-66	single block, centrifuge combination, 4/3/2 x 1.5/15/50ml	TC0401001-86	single block, 64 PCR tube strips, 0.2ml tubes
TC0401001-61	single block, microtube combination, 6/10/5 x 0.5/1.5/2ml	TC0401001-87	double block, 1x96-well PCR plate, 0.2ml tubes
TC0401001-67	single block, Round tubes, 30 x 6mm, Φ8.3mm x 48.4mm	TC0401001-88	single block, 2x6 cuvettes, 12.5mm
TC0401001-68	single block, Round tubes, 24x 10mm, Φ10.7mm x 48.4mm	TC0401001-89	double block, 96- or 384-well-plate

TC0401001-68	single block, Round tubes, 24x 10mm, Φ 10.7mm x 48.4mm
TC0401001-69	single block, Round tubes, 16x 12/13mm, Φ 13.9mm x 48.4mm
TC0401001-70	single block, Round tubes, 20x 12/13mm, Φ 13.9mm x 48.4mm
TC0401001-71	single block, Round tubes, 12x 15/16mm, Φ 17.5mm x 48.4mm
TC0401001-72	single block, Round tubes, 8x 20mm, Φ 21mm x 48.4mm
TC0401001-73	single block, Round tubes, 6x 25mm, Φ 26.2mm x 48.4mm
TC0401001-74	single block, Round tubes, 4x 35mm, Φ 35mm x 47.6mm
TC0401001-75	single block, Round tubes, 12x 17/18mm, Φ 19.1mm x 48.4mm
TC0401001-76	single block, vials, 20x 12mm, Φ 12.7mm x 30mm



TC0401001-68



TC0401001-69



TC0401001-70



TC0401001-71



TC0401001-72



TC0401001-73



TC0401001-74



TC0401001-75



TC0401001-76