



Microbiological dry bath Incubator (Single heating block)



Introduction

TC0401001 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

- LED display for easy reading
- 3D digital wheel adjustment of speed and temperature
- Adjustable temperature is up to 120°C
- High temperature stability is up to $\pm 0.2^\circ\text{C}$
- Machined aluminium heating unit allows for highly precise control of temperature
- Included PT1000 temperature sensor allows temperature control directly in the sample vessel.
- Adjustable timing range of 1 min to 99h59min
- Fixed safety circuit
- Error code display
- Various applications with different blocks
- Automatic calibration with external PT1000 temperature sensor

Specifications

Model	TC0401001
Number of blocks	1
Heat output [W]	165
Heating temperature range [°C]	room temp. +5° - 120
Temperature display	yes
Adjustment and display resolution [K]	0.1
Connection for ext. temperature sensor	DIN 12 878
PT 1000 variation; DIN EN 60751 Kl. A [K]	$\leq \pm (0,15 + 0,002 \times ITI)$
Temperature stability within the blocks < 60°C * [±°C]	0.2
Temperature stability within the blocks > 60°C * [±°C]	0.2
Temperature Uniformity < 60°C * [K]	0.2
Temperature Uniformity > 60°C * [K]	0.2

Heating rate / Heat up time with external sensor * [K/min]	5
Set-up plate material	Aluminium alloy
Set-up plate dimensions [mm]	96 x 76
Fixed safety circuit [°C]	150
Timer	yes
Time setting range	1min - 99h59min
Dimensions (W x H x D) [mm]	152 x 86 x 190
Weight [kg]	1.5kg
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]	165

Accessories

Part No.	Description	Part No.	Description
TC0401001-35	single block, Eppendorf tubes, 20 x 1.5ml, Ø11.5mm x 36.9mm	TC0401001-67	single block, Round tubes, 30 x 6mm, Ø8.3mm x 48.4mm
TC0401001-60	single block, PCR tube, 30 x 0.5ml, Ø7.9mm x 27.6mm	TC0401001-68	single block, Round tubes, 24x 10mm, Ø10.7mm x 48.4mm
TC0401001-62	single block, Microtubes, 20 x 1.5ml, Ø11.1mm x 39.1mm	TC0401001-69	single block, Round tubes, 16x 12/13mm, Ø13.9mm x 48.4mm
TC0401001-63	single block, Eppendorf tubes, 20 x 2.0ml, Ø11.5mm x 38.1mm	TC0401001-70	single block, Round tubes, 20x 12/13mm, Ø13.9mm x 48.4mm
TC0401001-64	single block, Corning tubes, 20 x 2.0ml, Ø10.9mm x 38.1mm	TC0401001-71	single block, Round tubes, 12x 15/16mm, Ø17.5mm x 48.4mm
TC0401001-54	single block, Conical tubes, 12 x 15ml, Ø17.1mm x 44.5mm	TC0401001-72	single block, Round tubes, 8x 20mm, Ø21mm x 48.4mm
TC0401001-55	single block, Conical tubes, 5 x 50ml, Ø29.0mm x 47.6mm	TC0401001-73	single block, Round tubes, 6x 25mm, Ø26.2mm x 48.4mm
TC0401001-66	single block, centrifuge combination, 4/3/2 x 1.5/15/50ml	TC0401001-74	single block, Round tubes, 4x 35mm, Ø35mm x 47.6mm
TC0401001-61	single block, microtube combination, 6/10/5 x 0.5/1.5/2ml		
TC0401001-75	single block, Round tubes, 12x 17/18mm, Ø19.1mm x 48.4mm		
TC0401001-76	single block, vials, 20x 12mm, Ø12.7mm x 30mm		
TC0401001-77	single block, vials, 20x 15mm, Ø15.8mm x 35mm		
TC0401001-78	single block, vials, 12x 17mm, Ø17.8mm x 45mm		
TC0401001-79	single block, vials, 12x 19mm, Ø19.7mm x 45mm		
TC0401001-80	single block, vials, 9x 21mm, Ø21.7mm x 45mm		
TC0401001-81	single block, vials, 8x 23mm, Ø23.8mm x 45mm		
TC0401001-82	single block, vials, 8x 25mm, Ø25.8mm x 45mm		
TC0401001-83	single block, vials, 6x 28mm, Ø28.8mm x 45mm		
TC0401001-84	single block, vials, 15x 16mm, Ø16.4mm x 45mm		
TC0401001-85	single block, 10x8 PCR tube strips, 0.2ml tubes		
TC0401001-86	single block, 64 PCR tube strips, 0.2ml tubes		
TC0401001-88	single block, 2x6 cuvettes, 12.5mm		