



ODTC[®] 384

General Specifications

Dimensions (H x W x L): 124.3 mm x 156.5 mm x 248 mm

Weight: Approx. 7.5 kg

Plate Ejection: Automated plate ejection mechanism with exchangeable ejection bars

ODTC[®] Device DC Input: 24 Vdc / 1200W ^{*1)}

Protection Class: III (Compliant with DIN EN 61140)

EMV Device Class: Group 1 / class A (industrial requirements)

PCR Plates: 96 and 384 well VCM[®] optimized for specific PCR plates (other PCR plate formats only on request)

Maximum Volume during PCR: 50 µl/well for 384 well version

ODTC[®] Lid: Opens and closes by horizontal move and is heated to avoid condensation running temperature profiles with open ODTC[®] Lid possible

Lid Pressure: Automated adjustment of lid pressure for different disposable and sealing options

Thermal Specifications

Temperature Range: +4 °C to +99 °C [+39 °F to +210 °F] ^{*2)}

Temperature Accuracy: ±0.30 K at +55 °C [+131 °F]

Temperature Uniformity: ±0.20 K at +55 °C [+131 °F]; ±0.20 K at +72 °C [+162 °F]; ±0.20 K at +95 °C [+203 °F]

Heating Rate Average (Slope): Max. 5.0 K/sec

Cooling Rate Average (Slope): Max. 2.2 K/sec

Adjustable Heating & Cooling Rate: From 0.1 K to 5.0 K/sec

Lid Temperature: Adjustable between ambient temperature: +5.0 K to +115 °C [+5.0 K to +239 °F]

Lid Default Temperature: +115 °C [+239 °F]

1) ODTC[®] device shall only be powered by the ODTC[®] Power & Control Unit.

2) Operation of ODTC[®] below ambient temperature: The operation of the ODTC[®] below ambient temperature.

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