



# ODTC<sup>®</sup> 96

## 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<sup>®</sup> Device DC Input:** 24 Vdc / 1200W <sup>\*1)</sup>

**Protection Class:** III (Compliant with DIN EN 61140)

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

**PCR Plates:** 96 and 384 well VCM<sup>®</sup> optimized for specific PCR plates (other PCR plate formats only on request)

**Maximum Volume during PCR:** 100 µl/well for 96 well version

**ODTC<sup>®</sup> Lid:** Opens and closes by horizontal move and is heated to avoid condensation running temperature profiles with open ODTC<sup>®</sup> 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] <sup>\*2)</sup>

**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. 4.4 K/sec

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

**Adjustable Heating & Cooling Rate:** From 0.1 K to 4.4 K/sec

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

**Lid Default Temperature:** +110 °C [+230 °F]

1) ODTC<sup>®</sup> device shall only be powered by the ODTC<sup>®</sup> Power & Control Unit.

2) Operation of ODTC<sup>®</sup> below ambient temperature: The operation of the ODTC<sup>®</sup> below ambient temperature.

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