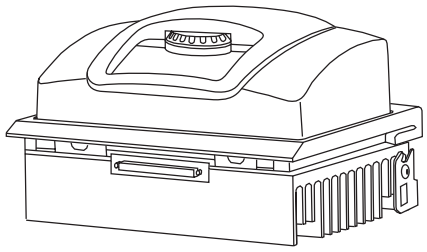
Compatible Alpha Units

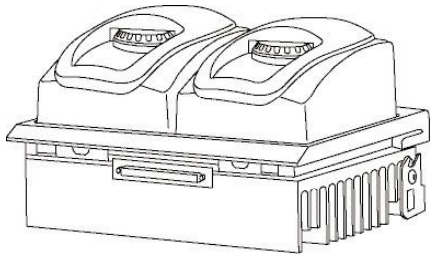
Single-Block Models

60 Single:	Holds 60 x 0.5 ml tubes
96 Single:	Holds 96 x 0.2 ml tubes or one 96-well microplate
384 Single:	Holds one 384-well microplate
Flat Block:	Holds customer-designed adapter through four screw-down points



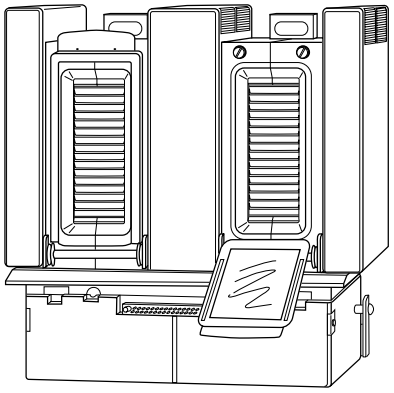
Dual-Block Models

30/30 Dual:	Holds 2 x 30 x 0.5 ml tubes
30/48 Dual:	Holds 1 x 30 x 0.5 ml tubes and 1 x 48 x 0.2 ml tubes
48/48 Dual:	Holds 2 x 48 x 0.2 ml tubes or half plates



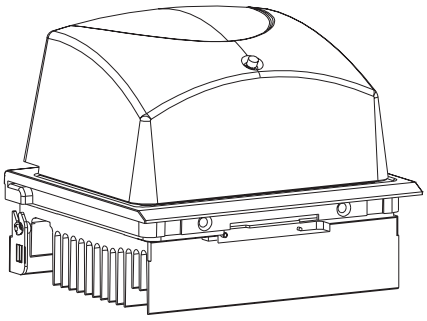
Slide Block

Slide Chambers™ Alpha unit:	Holds 2 x 16 standard slides



Moto Alpha Unit

Permits remote control of Alpha unit lid opening; available in 96, 384, and flat block formats.



DNA Engine Tetrad 2 Specifications

Thermal range:	0–105°C, but no more than 30°C below ambient temperature (10–105°C for the Slide Chambers unit)
Temperature accuracy:	±0.3°C of programmed target at 90°C, NIST-traceable (±0.4°C for dual Alpha units)
Temperature uniformity:	±0.4°C well-to-well within 30 seconds of arrival at 90°C (±0.5°C for dual Alpha units)
Speed of ramping:	Up to 3°C/sec for all single- and dual-block Alpha units; Up to 1.2°C/sec for the Slide Chambers Alpha unit
Sample capacity:	Varies with installed Alpha unit
Line voltage:	200–240 VAC
Frequency:	50–60 Hz
Power:	1600 W maximum
Fuses:	Two 6.3 A, 250 V, 5 x 20 mm
Displays:	One 1/4 size VGA screen (320 x 240), 16 colors
Ports:	One 9-pin RS-232 serial port One ethernet port
Program Capacity:	1,000 (typical)
Weight:	21.6 kg (base only)
Size:	47 x 61 x 16 cm (l x w x h, base only)
Projected Life Expectancy:	10 years of normal usage (2 protocol runs/day) 7 years of heavy usage (consistently exceeding 2 protocol runs/day)

Gradient Specifications (96-Well Alpha unit only)

Gradient accuracy:	±0.3°C of programmed target at end columns, 30 seconds after the timer starts for the gradient step, NIST–traceable
Column uniformity:	±0.4°C, well–to–well within column, within 30 seconds of reaching target temperature
Calculator accuracy:	±0.4°C of actual well temperature, NIST-traceable
Lowest temperature for gradient:	30°C
Highest temperature for gradient:	105°C
Temperature differential range:	1–24°C