

TECHNICAL PARAMETERS

Throughput	Reaction volume	Fluorescent channel
16 tests per run (2 × 8 wells)	15-100μL	FAM/SYBR Green I ; VIC/HEX/JOE/TET ; ROX/ Texas Red ; CY5
Maximum heating rate	Maximum cooling rate	Temperature accuracy
≥ 5.8 °C/s	≥ 4.5 °C/s	≤ 0.5° C
Temperature precision	Temperature uniformity	Fluorescence linearity
≤ 0.3°C	±1° C	r ≥ 0.990
Repeatability of fluorescence intensity detection	Dynamic range	Sample repeatability
CV ≤ 1%	1 - 1010 copies	CV ≤ 3%
Dimensions(W×D×H, mm)	Weight	Applications
360 * 330 * 260	12.5kg	Qualitative/ Absolute Quantification Analysis