



**HELINI**  
*Biomolecules*

Assisting your Hardwork ...



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<b>Number of reactions</b>	<b>32</b>
<b>Format</b>	0.1ml tubes / 8-tube strips
<b>Reaction volume</b>	10 - 100µl
<b>Temperature control</b>	
<b>Method</b>	Peltier
<b>Range</b>	37 - 99°C
<b>Speed</b>	5°C/s heating, 4°C/s cooling
<b>Run time</b>	<40 minutes
<b>Temperature control</b>	
<b>Resolution</b>	0.01°C
<b>Uniformity</b>	0.05°C (SD)
<b>Accuracy</b>	± 0.25°C
<b>Dimensions</b>	W25cmxD27cmxH23cm
<b>Weight</b>	7kg
<b>Operating noise</b>	<40db(A)
<b>Electrical voltage</b>	100 – 240V AC ± 10%
<b>Frequency</b>	50-60Hz ± 10%
<b>Power</b>	170W

<b>Fluorescence excitation</b>	500nm (blue LED)
<b>Fluorescence detection</b>	510 to 750nm (CMOS array)
<b>Fluorescence channels</b>	120 optical channels
<b>Sensitivity</b>	Single copy detection
<b>Dynamic range</b>	9-log
<b>Precision</b>	1.1 fold discrimination
<b>Connection options</b>	LAN, Direct connection to computer (RJ45) PC-free (USB stick)

<b>Factory calibrated Dyes</b>	SYBR Green I, ResoLight, FAM, VIC, HEX, Yellow 555, Red 610, Texas Red, Cy5, CAL 540, CAL560, CAL590, CAL610, CAL 635, JOE, Pulsar 650, Quasar 570, Quasar 705, ROX, TAMRA, TET
<b>User chosen custom dyes</b>	Yes
<b>Supported assay formats</b>	Intercalating dyes, Hydrolysis Probes, Molecular Beacons, SimpleProbes, HybProbes