



Model	MyGo® Pro ESR	MyGo® Pro	MyGo® Mini S
Number of Wells	32	32	16
Format	0.1 ml tubes, 8 well strips	0.1 ml tubes, 8 well strips	0.1 ml tubes
Reaction Volume	10 – 100 µl	10 – 100 µl	10 – 100 µl
Run Time*	<40 mins	<40 mins	<60 mins

Optics			
No. of Channels	5 (Multiplex)	4 (Multiplex)	2 (Duplex)
Fluorescence Excitation	610 nm and 450 nm (red/blue LED)	500 nm (blue LED)	475 nm (blue LED)
Fluorescence Detection	510 to 750 nm	510 to 750 nm	500 to 650 nm
Detector Type	CMOS array	CMOS array	CMOS array
Detection Sensitivity	Single copy detection	Single copy detection	Single copy detection
Dynamic Range	9–log	9–log	9–log
Precision	1.1 fold discrimination	1.1 fold discrimination	1.1 fold discrimination

Temperature Control			
Thermal System	Peltier, silver copper alloy block	Peltier, silver copper alloy block	Peltier, aluminium copper alloy block
Temperature Range	37 to 99 °C	37 to 99 °C	37 to 99 °C
Heating Speed	5 °C/s	5 °C/s	3 °C/s
Cooling Speed	4 °C/s	4 °C/s	1.5 °C/s
Thermal Uniformity	+/- 0.1 °C	+/- 0.1 °C	+/- 0.1 °C
Thermal Accuracy	+/- 0.25 °C	+/- 0.25 °C	+/- 0.25 °C
Factory Calibrated Dyes	SYBR Green I, ResoLight, FAM, VIC, HEX, Cy5, ROX, LC Green, SYTO 9, Cy5.5. Instrument Specific Calibration for (FAM, HEX, ROX, CY5, CY5.5) <i>Note: Does not work with TexasRed.</i>	SYBR Green I, ResoLight, FAM, VIC, HEX, Cy5, ROX, Yellow 555, Red 610, TexasRed, CAL 540, CAL 560, CAL 590, CAL 610, CAL 635, JOE, Pulsar 650, Quasar 570, Quasar 670, Quasar 705, TAMRA, TET (All generic dyes with poorer fluorescence performance with red spectral dyes).	SYBR Green I, ResoLight, FAM, VIC, HEX, CAL540, CAL560 (Generic Dye files).
Multiplex with Red Dyes	Yes	No	No
Supported Assay Formats	TaqMan, Molecular Beacons, SimpleProbes®, Intercalators, High Resolution Melting (HRM)	TaqMan, Molecular Beacons, SimpleProbes®, Intercalators, High Resolution Melting (HRM)	Intercalating dyes (e.g. SYBR Green I), Hydrolysis Probes
Interface	Desktop PC/laptop required	Desktop PC/laptop required	Desktop PC/laptop required <i>Note: Protocols can be run from a preloaded USB thumb drive.</i>
Progress Status	Colour Alerts	Colour Alerts	Colour and Audio Alerts
Connectivity	LAN, RJ45, USB	LAN, RJ45, USB	LAN, RJ45, USB
Software	Free Windows/Mac OS X and Linux operating software	Free Windows/Mac OS X and Linux operating software	Free Windows/Mac OS X and Linux operating software
Dimensions (w x d x h)	25 x 27 x 23 cm	25 x 27 x 23 cm	16 x 12 cm
Weight	7 kg	7 kg	2 kg
Electrical Power Consumption	170 W	170 W	90 W (12 V battery option)
Electrical Voltage	100 – 240 V AC +/-10%	100 – 240 V AC +/-10%	100 – 240 V AC +/-10%
Electrical Frequency	50 – 60 Hz +/-10%	50 – 60 Hz +/-10%	50 – 60 Hz +/-10%