



| 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)<br><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<br><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%                                                                                 |