



PORTABLE. SCALABLE. EASY

Fast DNA/RNA amplification and detection

Robust, Compact, Lightweight, Green

High precision thermal control

Performing Isothermal Amplification, Real Time PCR and Melting Curves

2 simultaneous wavelengths detection

Modular throughput

| | | | |
|--------------------------|---|---------------------------|--|
| DIMENSION | 100 x 100 x 120 mm | DETECTED WAVELENGTHS | 572nm and 524 nm |
| WEIGHT | 1.13 kg | THERMAL BLOCK | Peltier module for heating and cooling |
| USER INTERFACE | HYRIS bAPPTM (Multi Platform) / HYRIS bPANELTM (Windows PC) | TEMPERATURE SENSOR | High precision NTC resistor |
| COMMUNICATION INTERFACES | WiFi, Ethernet | TEMPERATURE RESOLUTION | < 0.05 °C |
| SAMPLE NUMBER | 16 samples on standard cartridge 36 samples on new cartridge | TEMPERATURE UNIFORMITY | ± 0.1 °C |
| REACTION VOLUME | 10 to 30 µl | TEMPERATURE CONTROL RANGE | 20 – 99 °C |
| LIGHT SOURCE | High brightness LEDs – 2 wavelengths | TEMPERATURE RAMP | Up to 1.5 °C/s |
| EXCITATION WAVELENGTHS | 472 nm and 530 nm | POWER SUPPLY | 12 V – DC |
| OPTICAL DETECTION | High resolution, low noise CMOS Camera (1.3MP) | POWER CONSUMPTION | Max 60W |
| ACQUISITION TIME | < 1s – Total time for all samples | | |

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