



## PORTABLE. SCALABLE. EASY x3

Fast DNA/RNA amplification and detection

Robust, Compact, Lightweight, Green

High precision thermal control

Performing Isothermal Amplification, Real Time PCR and Melting Curves

3 simultaneous wavelengths detection

Modular throughput

DIMENSION	100 x 100 x 120 mm	DETECTED WAVELENGTHS	572nm, 524 nm and 665 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, 530 nm and 630 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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