

Link do produktu: <http://www.novazym.sklep.pl/genie-iii-ultra-rapid-amplifikator-p-438.html>



Genie III (Ultra Rapid Amplificator)

Dostępność

Na zamówienie

Numer katalogowy

NO001

Opis produktu

Genie[?] III (Ultra rapid amplifikator) for LAMP

This instrument has been specifically developed for outdoor use with weather-proofing (IP62) and portability the primary design objectives. This smaller "hand-held" device only has a single heating block, taking the same 8-microtube strip developed for Genie II. It also incorporates a rechargeable Lithium-Polymer battery that can support operation for a complete day.

Genie[?] III has a two-colour fluorescence excitation and detection system. It also boasts wireless communications in the form of Bluetooth and WiFi that can be used for data communications and to support wireless peripherals such as printer or barcode wand.

The Genie[?] III also features satellite positioning via an integrated GPS receiver.

Key Features:

- Molecular Detection at Point of Application
- Isothermal amplification of DNA and RNA in a field-deployable instrument
- Fully Portable
- Compact, Lightweight, robust and water-proof (IP62)
- Dual-channel fluorescence excitation and measurement
- Internal long-lasting and fast-charging Li-Po battery
- Easy to Use
- Touchscreen control with simple and intuitive interface
- Position Sensing
- Built-in GPS capability
- Standalone Operation via 4.3" resistive touchscreen
- No requirement for a computer, wireless communications
- Affordable
- Low-cost instrument and consumables
- Wireless communications via Bluetooth and WiFi

- Positional information via GPS

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Technical Specifications

Detection method

Dual-channel Fluorescence
470 nm excitation, 510-560nm emission
590 nm excitation, > 620 nm emission

Temperature control method

Block with 4-zone independent digital PID and heated lid

Temperature control range and accuracy

Ambient - 100°C, ±0.1°C

Sample number

Single strip of 8 tubes

Sample volume

10 µl to 150 µl

Size

250 x 165 x 85 mm (LxWxH) [10" x 6.5" x 3.5"]

Weight

1.75 kg [4 lb]

Operating temperature 0-40°C

Storage temperature 20-70°C

Environmental protection IP62

Display/keyboard Colour LCD 480 x 272 with resistive touchscreen

Positioning GPS

Wireless and wired data Bluetooth 2.0/ Wi-Fi and USB 2.0

Battery type/ capacity / charge time