



# LAMPIX V

## portable DNA amplifier for real-time isothermal amplification\* of nucleic acids

\*Loop-Mediated Isothermal Amplification, LAMP and RT-LAMP

- **Compact**  
supports 2 standard 200µL tubes in a single test run
- **Portable**  
provides high-speed detection of infectious agents, including SARS-CoV-2 (COVID-19), outside the laboratory
- **Open system**  
can work with any reagents using FAM / SYBR dyes for isothermal amplification
- **Flexible**  
control of the temperature and scanning mode
- **Highly sensitive**  
allows detection beginning with only 50 DNA copies
- **Fast**  
takes 1 second to scan 2 samples

### Pathogen analysis:

- *Borrelia burgdorferi* s.l. (Lyme disease),
- SARS-CoV-2 (COVID-19)\*



\* LAMP test kits development and production service are also provided

## Technical Specifications

Parameter	Value
Excitation Source	LED
Excitation Detection	photodiode
Number of Fluorophores	1 FAM/SYBR
Excitation Wavelength	470 nm
Detection Range	510-530 nm
Sample Capacity	2 x 200 µl tubes
Tube Type	PCR tubes with flat lid
Operating Temperature Range	40°C to 75°C with 0.5°C resolution
Lid Type	not heated lid
Scan time	200 ms to 1 s
Communications	USB type C port for PC connection
Dimensions	W × D × H 45 x 45 x 65 mm
Weight	60 g
Power	5 V / 2.5 W external power supply / power bank
Software Operating system	Win 10

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