

# PST-60HL, PST-60HL-4 and PST-100HL, Thermo-Shakers

Thermo-Shakers are designed for shaking and thermostating 1–4 standard 96-well microplates.

A multisystem principle, used in design of the Thermo-Shaker, allows operating it as 3 independent devices:

- Incubator;
- Microplate shaker;
- Thermo-Shaker.

A distinctive feature of Biosan Plate Thermo-Shakers is the patented by the company **Two-Side Microplates Heating**, which allows to achieve full correspondence of the set and actual temperature in the microplate wells.

Standard versions of Thermo-shakers provide heating up to 60°C, which is sufficient for carrying out ELISA tests.

Thermo-shaker **PST-100HL** with the ability to stabilize the temperature up to 100°C is specially designed for the hybridization reactions.

## PLATE THERMO-SHAKERS PROVIDES:

- Soft or intensive sample shaking
- Rotation speed regulation, stabilization and indication
- Even rotation amplitude throughout the Thermo-Shaker platform
- Required operation time setting and indication
- Automatic stopping of the platform movement after expiration of the set time
- Setting and indication of the required temperature on the platform
- Automatic fault diagnostics (temperature sensor, platform heating, lid heating etc.).

## APPLICATION FIELDS:

- Cytochemistry — for in situ reactions
- Immunochemistry — for ELISA reactions
- Biochemistry — for enzyme and protein analysis
- Molecular biology — for micro array analysis

**Premium**  
Product Class

Ø 2 mm  
Orbit

PST-60HL



Product video is available on the website

**Premium**  
Product Class

Ø 2 mm  
Orbit

PST-60HL-4



**Premium**  
Product Class

Ø 2 mm  
Orbit

PST-100HL



## ORDERING INFORMATION:

**PST-60HL**  
**PST-60HL-4**  
**PST-100HL**

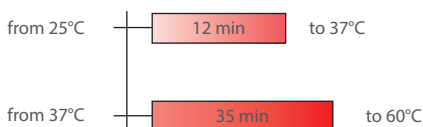
## CAT. NUMBER

BS-010119-AAI  
 BS-010128-AAI  
 BS-010142-AAI

# PST-60HL, PST-60HL-4 and PST-100HL, Thermo-Shakers

	PST-60HL	PST-60HL-4	PST-100HL
Temperature setting range	+25°C... +60°C		+25°C... +100°C
Temperature control range	+5°C above ambient... +60°C		+5°C above ambient... +100°C
Temperature setting resolution	0.1°C		
Temperature stability	±0.1°C		
Temperature uniformity @ +37°C	±0.25°C		±0.2°C
Temperature calibration coefficient range	0.936 – 1.063 (± 0.063)		—
Double heating contour of the platform and heated lid			
Orbit	2 mm		
Speed regulation range	250–1,200 rpm (increment 10 rpm)		
Digital time setting	1 min–96 hrs / non–stop (increment 1 min)		
Display	LCD, 16×2 signs		
Max. height of microtest plate	18 mm		
Number of microtest plates	2	4	2
Weight	6.1 kg	8.8 kg	5.9 kg
Platform dimensions (W×D)	250×150 mm	290×210 mm	250×150 mm
Overall dimensions (W×D×H)	270×260×125 mm	380×390×140 mm	270×260×125 mm
Input current/power consumption	12 V DC, 3.3 A / 40 W	12 V DC, 4.15 A / 50 W	12 V, 5 A / 60 W
External power supply	Input AC 100–240 V 50/60 Hz, Output DC 12 V		

## HEAT UP TIME PST-60HL AND PST-60HL-4



## HEAT UP TIME PST-100HL



PST-60HL-4 spring holders

