

# Thermo Plate Shaker PST

## Description

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

### Three independent devices in one:

- **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.

Thermo Shaker (PST-60HL/4) provides heating up to 60°C, which is sufficient for carrying out ELISA tests.

## Models

Model	Description	Part number
PST-60HL	for 2 microplates	105.2320
PST-60HL-4	for 4 microplates	105.2325
PST-100HL	for 2 microplates, up to +100°C	105.2330

## Specifications

- 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.). (Models PST-60HL and PST-60HL-4)
- Spring clamps for fixation of microplates (only models PST-60HL-4 and PST-100HL)

## Application fields

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



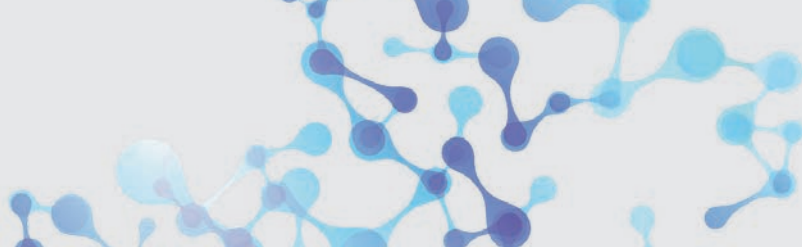
PST-60HL



PST-60HL-4



PST-100HL



# Thermo Plate Shaker PST Series



## Technical Data

Model	PST-60HL	PST-60HL-4	PST-100HL
Temperature setting range	+25°C up to +60°C		+25°C up to +100°C
Temperature control range	5°C above ambient up to +60°C		5°C above ambient up to +100°C
Temperature setting resolution	0.1°C		
Temperature stability	± 0.1°C		
Temperature uniformity at +37°C	± 0.25°C		± 0.2°C
Temperature calibration coefficient range	0.936...1.063 (± 0.063)*		
Orbit	2 mm		
Speed control range	250 – 1.200 rpm (increment 10 rpm)		
Digital time setting	1 min – 96 h / non-stop (increment 1 min)		
Timer sound signal	Yes		
Display	LCD, 16 x 2 signs		
Max. height of microtest plate	18 mm		
Number of microtest plates	2	4	2
Patented two-side microplate heating	Yes		
Weight	6.1 kg	8.8 kg	5.9 kg
Plattform dimensions (W x D)	250 x 150 mm	290 x 210 mm	250 x 150 mm
Overall dimensions (W x D x H)	270 x 260 x 125 mm	380 x 390 x 140 mm	270 x 260 x 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		

\*With the help of the **temperature calibration function** the user can calibrate the unit approx. ±6% of the selected temperature to compensate differences in the thermal behaviour of plates from different manufacturers.