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PST-60HL-4, Plate Shaker-Thermostat

Premium Product Class

DESCRIPTION

Plate Thermo–Shakers are designed for shaking and thermostating 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.

Thermo-shaker provides heating up to 60°C, which is sufficient for carrying out ELISA tests.

Plate Shaker–Thermostat 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.)
- Spring clamps

Application fields:

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

Temperature Calibration Function

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.

CAT. NUMBER

BS-010128-AAI	230VAC 50/60Hz Euro plug
BS-010128-AAQ	230VAC 50/60Hz UK plug
BS-010128-AA4	230VAC 50/60Hz AU plug
BS-010128-AAJ	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-010128-AK	IQ OQ document
BS-010128-BK	PQ document

SPECIFICATIONS

Temperature setting range	+25°C ... +60°C
Temperature control range	+5°C above ambient... +60°C
Temperature setting resolution	0.1°C
Temperature stability	±0.1°C
Temperature uniformity at +37°C	±0.25°C
Temperature calibration coefficient range	0.936...1.063 (± 0.063)
Heating	Patented two–side microplate heating
Speed control range	250–1200 rpm (increment 10 rpm)
Digital time setting	1 min–96 hrs / non–stop (increment 1 min)
Timer sound signal	+
Orbit	2 mm
Display	LCD, 16 x 2 signs
Maximum continuous operation time	168 h
Max. height of microtest plate	18 mm
Number of microtest plates	4
Platform dimensions (w x d)	290 x 210 mm
Overall dimensions (W×D×H)	380 x 390 x 140 mm
Weight	8.8 kg
Input current/power consumption	12 V DC, 4.15 A / 50 W
External power supply	Input AC 100–240 V; 50/60 Hz; Output DC 12 V