

Lab-Shaker LS-Z with Kuhner Kelvin⁺

The next shaker generation

NEW

Modular in concept

Our brand-new Lab-Shaker LS-Z combines approved Kuhner quality with a new modular system to provide maximum flexibility to our customers. The LS-Z, just like its predecessor LS-X, is a sturdy benchtop shaker designed for continuous and maintenance-free operation. However, the LS-Z comes with three functional options: benchtop only/stand-alone, combinable with incubators from other manufacturers, or combined with the Kuhner Kelvin⁺ for temperature control.

To take up as little work space as possible in your lab, the LS-Z shaker and the Kuhner Kelvin⁺ both have a very small footprint and can thus either be placed under any standard table or lab bench or be used as a benchtop device.

Features at a glance

- compact footprint
- control units are integrated in Kuhner Kelvin⁺
- temperature control
- flat front and big window
- space saving door mechanism
- clean-design
- easy to convert

One system - Three applications

upgradable/
retrofitable



Lab-Shaker LS-Z as benchtop
only / stand-alone



Lab-Shaker LS-Z with Kuhner
Kelvin⁺. Stationary shelves
available for non-shaken
experiments.



Combine Lab-Shaker LS-Z with
incubators from other
manufacturers

Technical Data

Attribute	Lab-Shaker LS-Z	Kuhner Kelvin ⁺
Temp. minimum	-	ambient
Temp. maximum	-	50°C
Principle of sensor	-	Pt-100
Power of heating	-	400W
Air circulation	-	150m³/h
Power consumption typical	approx. 25W	approx. 130W
Gas volume	-	130 L
Weight shaker	46 kg	28 kg
Weight Power Cube	6.5 kg	-
Weight Controller	0.6 kg	-
Illumination	-	LED
Ambient temp.	-20 up to 80°C	10 up to 35°C
Operating menu in	de, fr, it, en, es	de, fr, it, en, es
Interface standard	CAN-Bus	CAN-Bus
Tray, size	E (420 x 420mm)	E (420 x 420mm)
or	EX (500 x 420mm)	-
or	F (800 x 420mm)	-
Loading maximum	25 kg	-
Setting, digital	1 rpm	0.1°C
Accuracy, absolute	+/- 0.1 rpm	+/- 0.5°C
Timer	1 s – 999 h	1 s – 999 h (shaker only)
Acceleration	controlled	-
Active break	adjustable	-
Stop on position	adjustable	-
Mains Connection	220 - 240 V / 50 - 60 Hz 190 - 210 V / 50 - 60 Hz 110 - 120 V / 50 - 60 Hz 95 - 105 V / 50 - 60 Hz	220 - 240 V / 50 - 60 Hz 190 - 210 V / 50 - 60 Hz 110 - 120 V / 50 - 60 Hz 95 - 105 V / 50 - 60 Hz
Shaking motion	orbital, Ø 12.5 mm* 20...500 rpm orbital, Ø 25.0 mm* 20...400 rpm orbital, Ø 50.0 mm* 20...300 rpm	-
Material	Stainless steel cover	Inner chamber stainless steel, outer chamber PUR (insulation), door polycarbonate
Options & Accessories		
Light shading plate	-	To cover door
Shelf (max. 2)	-	at 2 different heights
Interface optional	USB, Ethernet, digital, analogue	USB, Ethernet, digital, analogue
Stacking adapter	-	2 LS-Z with Kuhner Kelvin ⁺
IQ/OQ-Documentation	available	available
Dual table	available	-

*can be changed/other diameters on request

Technical Data subject to change

LS-Z parts with Kuhner Kelvin⁺



Kuhner Kelvin⁺



Tray



Control Unit



Power Cube



LS-Z