

labodam



Orbital SHAKER

LOS - SERIES

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Orbital Shaker

Orbital Shaker LOS-A Series:

Our model of Orbital Shaker LOS-A Series is designed for shaking, mixing and aeration applications. It features adjustable speed control that provides gentle to vigorous agitation. The low noise and stable operation makes it suitable for use in different laboratories like molecular biology, microbiology, immunology, chemistry, etc.

Features

- Simple and digital type shaker
- Stable, quiet and continuous operation
- Variable speed and timer control
- Digital display of speed and time
- ISO 9001, ISO 13485 certified



Application

This product is suitable for cell culturing, staining/de-staining and general mixing in microbiology, chemistry, immunology, biochemistry, molecular biology, biopharmaceutical and biomedical laboratories.

Orbital Shaker LOS-A Series:

Technical Parameters

| Model | LOS-A10 | LOS-A11 | LOS-A12 | LOS-A13 |
|-----------------------|--|--|--|--|
| Maximum Load Capacity | 2Kg at 20-150 rpm, 1Kg at 151-240 rpm | 2Kg at 20-150 rpm, 1Kg at 151-240 rpm | 2Kg at 20-150 rpm, 1Kg at 151-240 rpm | 2Kg at 20-150 rpm, 1Kg at 151-240 rpm |
| Platform Dimension | 230x230mm | 280x280mm | 230x230mm | 280x280mm |
| Shaking Speed Range | 20-240rpm | | | |
| Shaking Orbit | 20mm | | | |
| Temperature Range | None | | | |
| Display | - | | Digital | |
| Timer Range | 0-30min mechanical timer | | 99h 59min digital timer | |
| Shaking Motion | Orbital | | | |
| Operation | Continuous/Timed | | | |
| Overall Dimension | 260x295x140mm | | | |
| Weight | 4.5Kg | 4.8Kg | 4.7Kg | 5Kg |
| Power Supply | 220V, 60Hz | | | |

Orbital Shaker

Orbital Shaker LOS-B Series:

Model of Labodam Orbital Shaker LOS-B Series is designed for shaking, mixing and aeration applications. It is compact with micro-computer control technology. It features adjustable speed control that provides gentle to vigorous agitation. The low noise and stable operation makes it suitable for use in different laboratories like molecular biology, microbiology, immunology, chemistry, etc.

Features

- Adjustable speed control provides gentle to vigorous agitation
- Microprocessor control with simultaneous display of time and speed
- Brushless DC motor ensures maintenance-free, reliable and quiet operation
- Audio alarm signals program completion
- Accommodate a variety of platforms, non-slip rubber mat, conical flasks and other sample containers



Application

This product is suitable for cell culturing, staining/de-staining and general mixing in microbiology, chemistry, immunology, biochemistry, molecular biology, biopharmaceutical and biomedical laboratories.

Orbital Shaker LOS-B Series:

Technical Parameters

| Model | LOS-B10 | LOS-B11 | LOS-B12 |
|-----------------------|------------------|----------------|-----------|
| Maximum Load Capacity | 2Kg | | |
| Shaking Speed Range | 50-350rpm | 50-300rpm | 50-250rpm |
| Shaking Orbit | 10mm | 20mm | 30mm |
| Temperature Range | 4-45°C | | |
| Display | LED | | |
| Timer Range | - | 1min-99h 59min | |
| Shaking Motion | Orbital | | |
| Operation | Continuous/Timed | | |
| Overall Dimension | 280x260x90mm | | |
| Weight | 7.5Kg | | |
| Power | 50W | | |
| Power Supply | 230V, 60Hz | | |

Orbital Shaker

Orbital Shaker LOS-C Series:

Model of Labodam Orbital Shaker LOS-C Series are well designed, providing a long working life even under repeated and continuous use. These versatile orbital shakers operate with a 10-mm diameter orbital action, with a shaking speed ranging from 100 rpm to 500 rpm. A wide range of platforms is available, making them ideal for use with culture flasks, Petri dishes, Erlenmeyer flasks, bottles and other vessels.

Features

- Compact space-saving design fits easily in incubator and refrigerator
- Simultaneous display of speed, timer and operating mode
- Electronic time switching clock controls time or continuous operation mode
- Brushless DC motor ensures maintenance-free, reliable and quiet operation
- Over speed detection and protection
- Accommodate a variety of platforms, non-slip rubber mat, conical flasks and other sample containers
- RS232 interface enables data logging & computer control



Application

This product is suitable for cell culturing, staining/de-staining and general mixing in microbiology, chemistry, immunology, biochemistry, molecular biology, biopharmaceutical and biomedical laboratories.

Orbital Shaker LOS-C Series:

Technical Parameters

| Model | LOS-C10 | LOS-C11 | LOS-C12 |
|-----------------------|---------------|------------------|---------------|
| Maximum Load Capacity | 3Kg | 2.5Kg | 7.5Kg |
| Platform Dimension | 240x240mm | 240x240mm | 320x320mm |
| Shaking Speed Range | 0-200rpm | 100-800rpm | 100-500rpm |
| Shaking Orbit | 20mm | 4mm | 10mm |
| Temperature Range | 4-40°C | | |
| Display | Analog | LED | |
| Timer Range | None | 1-1199min | |
| Shaking Motion | Orbital | | |
| Operation | Continuous | Continuous/Timed | |
| Overall Dimension | 330x270x110mm | 340x300x100mm | 420x370x100mm |
| Weight | 3.1Kg | 8.1Kg | 13.5Kg |
| Power | 30W | | |
| Power Supply | 240V, 60Hz | | |

Orbital Shaker

Orbital Shaker LOS-D Series:

Our model of Orbital Shaker LOS-D Series is designed for shaking, mixing and aeration applications. It is equipped with microprocessor control technology and a long lasting brushless motor that enables quiet operation and consistent performance. The multi-functional shaking system is suitable for use in different laboratories like molecular biology, microbiology, immunology, chemistry, etc.

Features

- Multi-functional shaking system
- Compact space-saving design fits easily in incubator and refrigerator
- Adjustable speed control provides gentle to vigorous agitation
- Microprocessor control with simultaneous display of time and speed
- Brushless DC motor ensures maintenance-free, reliable and quiet operation
- Audio alarm signals program completion
- Accommodate a variety of platforms, non-slip rubber mat, conical flasks and other sample containers



Application

This product is suitable for cell culturing, staining/de-staining and general mixing in microbiology, chemistry, immunology, biochemistry, molecular biology, biopharmaceutical and biomedical laboratories.

Orbital Shaker LOS-D Series:

Technical Parameters

| Model | LOS-D10 | LOS-D11 | LOS-D12 |
|-----------------------|------------------|---------------|--|
| Maximum Load Capacity | 2.5Kg | 3Kg | 8Kg |
| Platform Dimension | 270x230mm | 270x230mm | (LFP-03 and LFP-04) 320x270x20mm, (LUP-03 and LUP-04) 400x280x133mm |
| Shaking Speed Range | 50-250rpm | 50-300rpm | 50-250rpm |
| Shaking Orbit | 20mm | 10mm | 10, 15, 20mm available |
| Temperature Range | Ambient +5-40°C | | |
| Display | LED | | |
| Timer Range | 1min-99h 59min | | |
| Shaking Motion | Orbital | | |
| Operation | Continuous/Timed | | |
| Overall Dimension | 280x270x110mm | 280x270x110mm | 320x350x145mm |
| Weight | 7.2Kg | 7.2Kg | 17.5Kg |
| Power | 50W | | |
| Power Supply | DC 24V | | 240V, 60Hz |

Orbital Shaker

Orbital Shaker LOS-E Series:

Model of Labodam Orbital Shaker LOS-E Series is designed for shaking, mixing and aeration applications. It features adjustable speed control that provides gentle to vigorous agitation. The low noise and stable operation makes it suitable for use in different laboratories like molecular biology, microbiology, immunology, chemistry, etc.

Features

- Stainless steel platform and clamps
- Easy to use continuous operation
- Suitable for carrying heavy load
- Brushless DC motor ensures maintenance-free, reliable and quiet operation



Application

This product is suitable for cell culturing, staining/de-staining and general mixing in microbiology, chemistry, immunology, biochemistry, molecular biology, biopharmaceutical and biomedical laboratories.

Orbital Shaker LOS-E Series:

Technical Parameters

| Model | LOS-E10 | LOS-E11 | LOS-E12 | LOS-E13 |
|---------------------|---------------------|---------------|---------------|----------------|
| Platform Dimension | 340x340mm | 500x500mm | 600x600mm | 1060x600mm |
| Shaking Speed Range | 10-250rpm | | | |
| Shaking Orbit | 25mm | | | |
| Temperature Range | No heating function | | | |
| Display | Analog | | | |
| Timer Range | None | | | |
| Shaking Motion | Orbital | | | |
| Operation | Continuous | | | |
| Overall Dimension | 380x410x195mm | 560x600x225mm | 660x580x225mm | 1120x700x225mm |
| Weight | 45Kg | 45Kg | 45Kg | 45Kg |
| Power Supply | 220V, 60Hz | | | |

Orbital Shaker

Orbital Shaker LOS-F Series:

Our model Orbital Shaker LOS-F Series is designed for shaking, mixing and aeration applications. It is compact with micro-computer control technology. It features adjustable speed control that provides gentle to vigorous agitation. The low noise and stable operation makes it suitable for use in different laboratories like molecular biology, microbiology, immunology, chemistry, etc.

Features

- Easy to clean anti-eroding stainless steel or alnico plate
- Microprocessor based PID controller with timing function
- Brushless DC motor ensures maintenance-free, reliable and quiet operation
- Audio alarm signals program completion
- Smooth start and stop system prevents liquid spillage
- Programmable controller with LCD screen
- Heating plate function
- Over-temperature alarm



Application

This product is suitable for cell culturing, staining/de-staining and general mixing in microbiology, chemistry, immunology, biochemistry, molecular biology, biopharmaceutical and biomedical laboratories.

Orbital Shaker LOS-F Series:

Technical Parameters

| Model | LOS-F10 | LOS-F11 | LOS-F12 | LOS-F13 |
|---------------------|---------------------|---------|-----------|-----------|
| Platform Dimension | 280x270mm | | 350x260mm | 400x340mm |
| Shaking Speed Range | 50-250rpm | | 20-300rpm | |
| Shaking Orbit | 10mm | 20mm | | |
| Temperature Range | No heating function | | | |
| Display | Analog | | | |
| Timer Range | 1-9999min | | | |
| Shaking Motion | Orbital | | | |
| Operation | Continuous/Timed | | | |
| Power | 100W | 100W | 110W | 120W |
| Power Supply | 220V, 60Hz | | | |

Orbital Shaker

Orbital Shaker LOS-F Series:

Technical Parameters

| Model | LOS-F14 | LOS-F15 | LOS-F16 | LOS-F17 |
|---------------------|---------------------|------------|------------|-----------|
| Platform Dimension | 450x450mm | 350x260mm | 380x430mm | 400x340mm |
| Shaking Speed Range | 20-300rpm | 20-250rpm | 20-250rpm | 20-300rpm |
| Shaking Orbit | 20mm | | | |
| Temperature Range | No heating function | RT 5-100°C | RT 5-100°C | RT+5-65°C |
| Display | Analog | LCD | | Analog |
| Timer Range | 1-9999min | | | |
| Shaking Motion | Orbital | | | |
| Operation | Continuous/Timed | | | |
| Power | 130W | 300W | 400W | 450W |
| Power Supply | 220V, 60Hz | | | |

Orbital Shaker Double Decker LODS-A Series:

Model of Labodam Orbital Shaker LODS-A Series features a well-designed and robust Double Decker to increase capacity. The three eccentric shaft balancing drive ensures that the sample on platform shakes with the same speed. The unique design of speed monitoring circuit provides long working life under repeated and continuous use. A wide range of platforms available make them ideal for use with culture

▣asks, bottles and other vessels.

Features

- Easy to clean stainless steel platform
- Available in monolayer
- Three eccentric shaft balancing drive to ensure uniform sample shaking speed
- Unique speed monitoring circuit design
- Microprocessor controller with timer function for reliable temperature control
- Menu-driven easy to use interface
- Brushless DC motor ensures maintenance-free, reliable and quiet operation
- Slow start up function prevents liquid spillage
- Data retrieval on power failure



Application

Our product Orbital Shaker is suitable for cell culturing, staining/de-staining and general mixing in microbiology, chemistry, immunology, biochemistry, molecular biology, biopharmaceutical and biomedical laboratories.

Orbital Shaker Double Decker LODS-A Series:

Technical Parameters

| Model | LODS-A10 | LODS-A11 | LODS-A12 | LODS-A13 |
|---------------------|------------------|------------|----------------|-----------|
| Platform Dimension | 800x600mm | 800x600mm | 920x640mm | 920x640mm |
| Shaking Speed Range | 20-300rpm | 20-300rpm | 20-300rpm | 20-300rpm |
| Shaking Orbit | 30/50mm | | | |
| Temperature Range | RT +5-65°C | RT +5-65°C | 4-65°C | 4-65°C |
| Display | LCD | | | |
| Timer Range | 0-500h | | | |
| Shaking Motion | Orbital | | | |
| Operation | Continuous/Timed | | | |
| Overall Dimension | 900x680x680mm | | 1060x850x680mm | |
| Power | 400W | 400W | 400W | 400W |
| Power Supply | 220V, 60Hz | | | |



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