



**Vibration Instrumentation:**  
*Shakers*

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## JZK-2

- Small size, lightweight
- Made of rare earth permanent magnet
- Use as small vibration table, modal shaker
- Apply with structural vibration experiments, Modal test/Dynamic structural simulations, Fatigue testing of parts, Accelerometer and other sensor calibration etc.



### Input

Rated Current:	3.5A
Impedance:	1.6Ω
Input Mode:	Connection pole

### Output

Max. Peak Force(N) , Sin/Random:	20/14
Max. Peak Rated Travel:	± 3
Max. Velocity(m/s) , Sin/Random:	0.8/0.6
Max. Acceleration:	200ms <sup>-2</sup>
Non-Linearity:	< 3%
Output Mode:	Table or mandril
Mounting Screw:	M5

### Environmental Characteristics

Operating Temperature:	-30 to +70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 95%R.H.

### Frequency Characteristics

Main Resonance Frequency:	> 15,000Hz
Frequency Range:	10 - 6,000Hz

### Physical Characteristics

Dimensions:	Φ100mm x 110mm
Weight:	2.5kg
Effective Moving Mass:	0.1kg
Suspension Stiffness:	3N/mm

### Accessories

Input Cable:	One
Mandril:	One

### Recommended Power Amplifier

Power Amplifier:	YE5871A
Signal Generator:	YE1311 series

## JZK-5

- Small size, lightweight
- Made of rare earth permanent magnet
- Use as small vibration table, modal shaker
- Apply with structural vibration experiments, Modal test/Dynamic structural simulations, Fatigue testing of parts, Accelerometer and other sensor calibration etc.



### Input

Rated Current:	7A
Impedance:	0.6Ω
Input Mode:	Connection socket

### Output

Max. Peak Force(N) , Sin/Random:	50/35
Max. Peak Rated Travel:	± 5
Max. Velocity(m/s) , Sin/Random:	1/0.6
Max. Acceleration:	250ms <sup>-2</sup>
Non-Linearity:	< 3%
Output Mode:	Table or mandril
Mounting Screw:	M5

### Environmental Characteristics

Operating Temperature:	-30 to +70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 95%R.H.

### Frequency Characteristics

Main Resonance Frequency:	> 5,000Hz
Frequency Range:	10 - 4,000Hz

### Physical Characteristics

Dimensions:	Φ140mm x 130mm
Weight:	10kg
Effective Moving Mass:	0.2kg
Suspension Stiffness:	3N/mm

### Accessories

Input Cable:	One
Mandril:	One

### Recommended Power Amplifier

Power Amplifier:	YE5871A (100W) , YE5872A (200W)
Signal Generator:	YE1311 series

## JZK-10

- Small size, lightweight
- Made of rare earth permanent magnet
- Use as small vibration table, modal shaker
- Apply with structural vibration experiments, Modal test/Dynamic structural simulations, Fatigue testing of parts, Accelerometer and other sensor calibration etc.



### Input

Rated Current:	10A
Impedance:	0.7Ω
Input Mode:	Connection socket

### Output

Max. Peak Force(N) , Sin/Random:	100/70
Max. Peak Rated Travel:	± 5
Max. Velocity(m/s) , Sin/Random:	1.2/0.8
Max. Acceleration:	280ms <sup>-2</sup>
Non-Linearity:	< 3%
Output Mode:	Table or mandril
Mounting Screw:	M5

### Environmental Characteristics

Operating Temperature:	-30 to +70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 95%R.H.

### Frequency Characteristics

Main Resonance Frequency:	> 4,000Hz
Frequency Range:	10 - 4,000Hz

### Physical Characteristics

Dimensions:	Φ158mm x 150mm
Weight:	15kg
Effective Moving Mass:	0.35kg
Suspension Stiffness:	3N/mm

### Accessories

Input Cable:	One
Mandril:	One

### Recommended Power Amplifier

Power Amplifier:	YE5871A (100W) , YE5872A (200W)
Signal Generator:	YE1311 series



## JZK-20

- Small size, lightweight
- Made of rare earth permanent magnet
- Use as small vibration table, modal shaker
- Apply with structural vibration experiments, Modal test/Dynamic structural simulations, Fatigue testing of parts, Accelerometer and other sensor calibration etc.



### Input

Rated Current:	14A
Impedance:	0.6Ω
Input Mode:	Connection socket

### Output

Max. Peak Force(N) , Sin/Random:	200/140
Max. Peak Rated Travel:	± 5
Max. Acceleration:	400ms <sup>-2</sup>
Non-Linearity:	< 3%
Output Mode:	Table or mandril
Mounting Screw:	M5

### Environmental Characteristics

Operating Temperature:	-30 to +70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 95%R.H.

### Frequency Characteristics

Main Resonance Frequency:	> 15,000Hz
Frequency Range:	10 - 4,000Hz

### Physical Characteristics

Dimensions:	Φ180mm x 160mm
Weight:	20kg
Effective Moving Mass:	0.5kg
Suspension Stiffness:	3N/mm

### Accessories

Input Cable:	One
Mandril:	One

### Recommended Power Amplifier

Power Amplifier:	YE5872A (200W) , YE5873A (400W)
Signal Generator:	YE1311 series

## JZK-50

- Small size, lightweight
- Made of rare earth permanent magnet
- Use as small vibration table, modal shaker
- Apply with structural vibration experiments, Modal test/Dynamic structural simulations, Fatigue testing of parts, Accelerometer and other sensor calibration etc.



### Input

Rated Current:	30A
Impedance:	0.7Ω
Input Mode:	Connection socket

### Output

Max. Peak Force(N) , Sin/Random:	500/350
Max. Peak Rated Travel:	± 7.5
Max. Velocity(m/s) , Sin/Random:	2.0/1.2
Max. Acceleration:	410ms <sup>-2</sup>
Non-Linearity:	< 3%
Output Mode:	Table or mandril
Mounting Screw:	M5

### Environmental Characteristics

Operating Temperature:	-30 to +70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 95%R.H.

### Frequency Characteristics

Main Resonance Frequency:	> 2,000Hz
Frequency Range:	10 - 2,000Hz

### Physical Characteristics

Dimensions:	Φ240mm x 200mm
Weight:	30kg
Effective Moving Mass:	1.2kg
Suspension Stiffness:	3N/mm

### Accessories

Input Cable:	One
Mandril:	One

### Recommended Power Amplifier

Power Amplifier:	YE5874A (800W) , YE5878 (1,500W)
Signal Generator:	YE1311 series

## JZK-100

- Small size, lightweight
- Made of rare earth permanent magnet
- Use as small vibration table, modal shaker
- Apply with structural vibration experiments, Modal test/Dynamic structural simulations, Fatigue testing of parts, Accelerometer and other sensor calibration etc.



### Input

Rated Current:	35A
Impedance:	0.9Ω
Input Mode:	Connection socket

### Output

Max. Peak Force(N) , Sin/Random:	1,000/700
Max. Peak Rated Travel:	± 10
Max. Acceleration:	820ms <sup>-2</sup>
Non-Linearity:	< 3%
Output Mode:	Table or mandril
Mounting Screw:	M5

### Environmental Characteristics

Operating Temperature:	-30 to +70°C
Storage Temperature:	-55 to +85°C
Moisture:	Maximum 95%R.H.

### Frequency Characteristics

Main Resonance Frequency:	> 1,000Hz
Frequency Range:	10 - 2,000Hz

### Physical Characteristics

Dimensions:	Φ280mm x 250mm
Weight:	40kg
Effective Moving Mass:	1.2kg
Suspension Stiffness:	3N/mm

### Accessories

Input Cable:	One
Mandril:	One

### Recommended Power Amplifier

Power Amplifier:	YE5878 (1,500W)
Signal Generator:	YE1311 series