SALE OF VIBRATION EQUIPMENT | TESTING SERVICES | MULTI-BRAND MAINTENANCE

Vibration Test System :

20 to 1 000N

Solutions tailored to low- and medium-load testing

Ranging from 20 N to 1,000 N, our shakers are designed to meet the testing requirements for small components, sub-assemblies and medium-sized equipment. They enable development, characterisation, qualification and validation testing, particularly in the fields of electronics and instrumentation.

Compact and versatile, these solutions can be adapted to different load levels and the requirements of your vibration test programmes.

Contact :

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Vibration test system 20N

Specification

V3.8

VE-5102

Vibration Shaker (Low force)

Features

- Permanent Magnetic Field Structure
- Compact and light design, easy to move
- Built-in Power Amplifier, maximizing convenience in use
- High cross-axial stiffness
- Suitable for testing and stress screening on small components
- System MTBF >6,000 Hours
- Optional slip table and vibration isolator

Performances

Shaker Model	VE-5102
Sine Force (peak)	20N
Usable Frequency Range	5-10,000Hz
Max.Displacement (p-p)	5mm
Max.Velocity	1.5m/s
Max.Acceleration (bare table)	200m/s^2
Max.Payload	0.8kg
Armature Diameter	30mm
Effective Moving Elements Mass	0.1kg
Fundamental Resonance	13,000Hz (±5%)
Load Attachment Points *	5xM5
Dimension (WxDxH)	165×150×160mm
Weight	5kg
Cooling Mode	Natural Cooled
Shaker Model (with slip table)	**VE-5102ST**
Frenquency Range	5-4,000Hz
Max.Displacement (p-p)	5mm
Max.Acceleration (bare table)	50m/s^2
Max.Load	1kg
Slip Table Dimension (L×H)	100×100×20mm
Slip Table Moving Weight	0.4kg
Dimension (WxDxH)	295×163×165mm
Weight	6.5kg

Power Amplifier Model	VSA-H40A
Max. Power Output	40VA
Max. Output Voltage	12Vrms
Max. Output Current	4Arms
Max. Input Voltage	1Vrms
Dimension (WxDxH)	Built-in
Weight	/
Working Environment	
Temperature	0-40℃
Humidity (RH, non-condensing)	10~90%
Power Supply Requirement	220V, 50Hz
System Composing and Accessories	
Shaker	1 set
Power Amplifiier	1 set
Blower	/
Slip Table (100×100mm)	Optional
Head Expander	/
Connecting Cables	1 set
User Manual	1 set
Installation Tools	1 set
Vibration Controller	Optional
Sensors	Optional

Vibration test system 100N

Specification

V3.8

VE-5110

Vibration Shaker (Low force)

Features

- Compact and light design, easy to move
- Digital power amplifier with higher power transform efficiency
- High cross-axial stiffness
- Suitable for testing and stress screening on small components
- System MTBF >6,000 Hours
- Optional slip table and head expander is available
- Optional vibration isolator

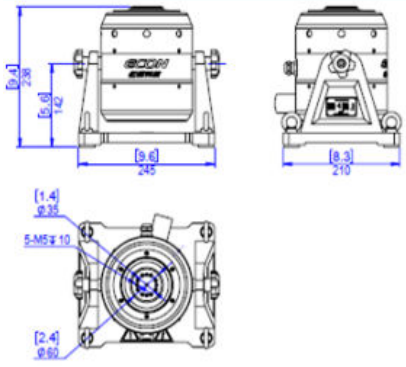
Performances

Shaker Model	VE-5110
Sine Force (peak)	100N
Usable Frequency Range	2-7,000Hz
Max.Displacement (p-p)	13mm
Max.Velocity	1.5m/s
Max.Acceleration (bare table)	400m/s^2
Max.Payload	2kg
Armature Diameter	60mm
Effective Moving Elements Mass	0.25kg
Fundamental Resonance	6,000Hz (±5%)
Load Attachment Points *	5xM5
Dimension (WxDxH)	245×210×238mm
Weight	18kg
Cooling Mode	Air Cooled
Shaker Model (with slip table)	**VE-5110ST**
Frenquency Range	5-3,000Hz
Max.Displacement (p-p)	10mm
Max.Acceleration (bare table)	50m/s^2
Max.Load	3kg
Slip Table Dimension (L×H)	150×150×20mm
Slip Table Moving Weight	1.6kg
Dimension (WxDxH)	420×270×273mm
Weight	40kg

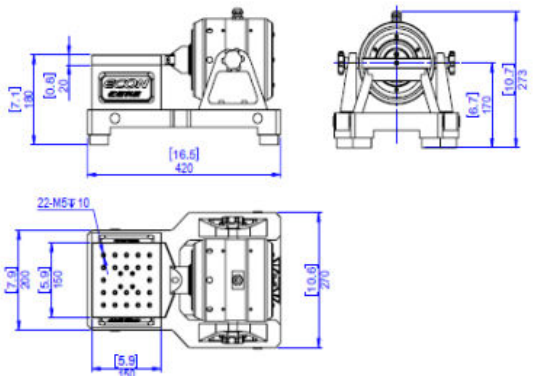
Power Amplifier Model	VSA-H181A
Max. Power Output	180VA
Max. Output Voltage	12Vrms
Max. Output Current	15Arms
Max. Input Voltage	1.5Vrms
Dimension (WxDxH)	490×455×110mm
Weight	9.2kg
Working Environment	
Temperature	0-40℃
Humidity (RH, non-condensing)	10~90%
Power Supply Requirement	220VA, 100-120V/200-240V, 50/60Hz
System Composing and Accessories	
Shaker	1 set
Power Amplifiier	1 set
Blower	1 set
Slip Table (150×150mm)	Optional
Head Expander (150×150mm)	Optional
Connecting Cables	1 set
User Manual	1 set
Installation Tools	1 set
Vibration Controller	Optional
Sensors	Optional

Outline Drawing

VE-5110



VE-5110ST



Vibration test system 200N

Specification

V3. 9

VE-5120

Vibration Shaker (Low force)

Features

- Permanent Magnetic Field Structure
- Compact and light design, easy to move
- Digital power amplifier with higher power transform efficiency
- High cross-axial stiffness
- Suitable for testing and stress screening on small components
- System MTBF >6,000 Hours
- Optional slip table and head expander is available
- Optional vibration isolator

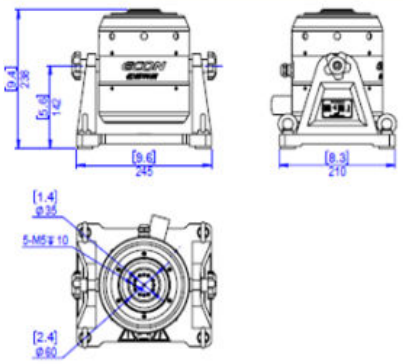
Performances

Shaker Model	VE-5120
Sine Force (peak)	200N
Usable Frequency Range	2-7,000Hz
Max.Displacement (p-p)	13mm
Max.Velocity	1.5m/s
Max.Acceleration (bare table)	800m/s^2
Max.Payload	2kg
Armature Diameter	60mm
Effective Moving Elements Mass	0.25kg
Fundamental Resonance	6,000Hz (±5%)
Load Attachment Points *	5xM5
Dimension (WxDxH)	245×210×238mm
Weight	18kg
Cooling Mode	Air Cooled
Shaker Model (with slip table)	**VE-5120-ST200**
Frenquency Range	5-3,000Hz
Max.Displacement (p-p)	10mm
Max.Acceleration (bare table)	80m/s^2
Max.Load	3kg
Slip Table Dimension (L×H)	200×200×20mm
Slip Table Moving Weight	2.3kg
Dimension (WxDxH)	460×300×263mm
Weight	50kg

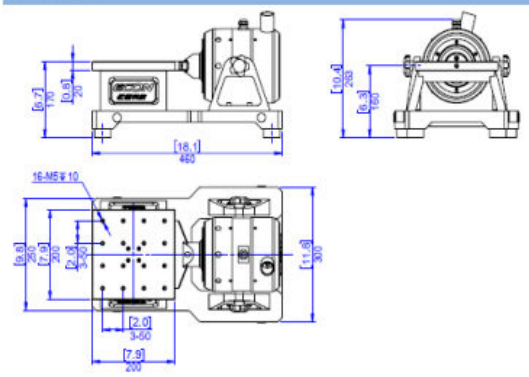
Power Amplifier Model	VSA-H751A
Max. Power Output	750VA
Max. Output Voltage	50Vrms
Max. Output Current	15Arms
Max. Input Voltage	2.5Vrms
Dimension (WxDxH)	505×455×110mm
Weight	11kg
Working Environment	
Temperature	0-40℃
Humidity (RH, non-condensing)	10~90%
Power Supply Requirement	850VA, 100-120V/200-240V, 50/60Hz
System Composing and Accessories	
Shaker	1 set
Power Amplifiier	1 set
Blower	1 set
Slip Table (200×200mm)	Optional
Head Expander (200×200mm)	Optional
Connecting Cables	1 set
User Manual	1 set
Installation Tools	1 set
Vibration Controller	Optional
Sensors	Optional

Outline Drawing

VE-5120



VE-5120ST



Vibration test system 500N

Specification

V3. 8

VE-5150

Vibration Shaker (Low force)

Features

- Compact and light design, easy to move
- Digital power amplifier with higher power transform efficiency
- High cross-axial stiffness
- Suitable for testing and stress screening on small components
- System MTBF >6,000 Hours
- Optional slip table and head expander is available
- Optional vibration isolator

Performances

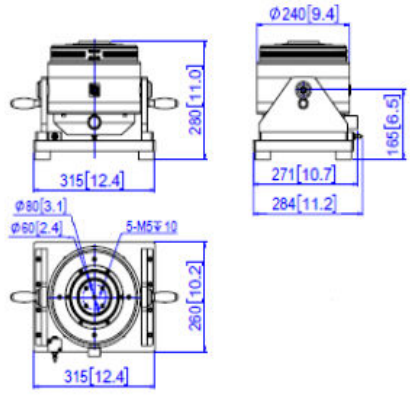
Shaker Model	VE-5150
Sine Force (peak)	500N
Usable Frequency Range	5-5,000Hz
Max.Displacement (p-p)	10mm
Max.Velocity	1m/s
Max.Acceleration (bare table)	340m/s^2
Max.Payload	8kg
Armature Diameter	80mm
Effective Moving Elements Mass	1.5kg
Fundamental Resonance	4,000Hz (±5%)
Load Attachment Points *	5xM5
Dimension (WxDxH)	315×284×280mm
Weight	55kg
Cooling Mode	Air Cooled
Shaker Model (with slip table)	**VE-5150ST**
Frenquency Range	5-2,500Hz
Max.Displacement (p-p)	10 mm
Max.Acceleration (bare table)	80m/s^2
Max.Load	12kg
Slip Table Dimension (L×H)	250×250×20mm
Slip Table Moving Weight	4.9kg
Dimension (WxDxH)	560×315×354mm
Weight	95kg

Power Amplifier Model	VSA-H102A
Max. Power Output	1,000VA
Max. Output Voltage	53Vrms
Max. Output Current	19Arms
Max. Input Voltage	2.5Vrms
Dimension (WxDxH)	505×455×110mm
Weight	10.5kg

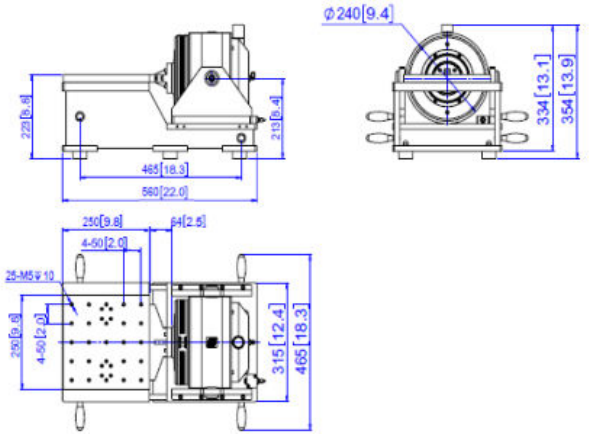
Working Environment	
Temperature	0-40℃
Humidity (RH, non-condensing)	10~90%
Power Supply Requirement	1,200VA, 100-120V/200-240V, 50/60Hz
System Composing and Accessories	
Shaker	1 set
Power Amplifiier	1 set
Blower	1 set
Slip Table (250×250mm)	Optional
Head Expander (250×250mm)	Optional
Connecting Cables	1 set
User Manual	1 set
Installation Tools	1 set
Vibration Controller	Optional
Sensors	Optional

Outline Drawing

VE-5150



VE-5150ST



Specifications subject to change without prior notice

Vibration test system 1 000N

Specification

V3. 8

ECON

VE-51100

Vibration Shaker (Low force)

Features

- Compact and light design, easy to move
- Digital power amplifier with higher power transform efficiency
- High cross-axial stiffness
- Suitable for testing and stress screening on small components
- System MTBF >6,000 Hours
- Optional slip table and head expander is available
- Optional vibration isolator

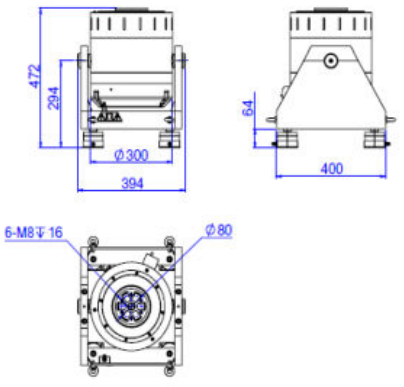
Performances

Shaker Model	VE-51100
Sine Force (peak)	1,000N
Usable Frequency Range	5-6,500Hz
Max.Displacement (p-p)	25.4mm
Max.Velocity	1.5m/s
Max.Acceleration (bare table)	500m/s^2
Max.Payload	20kg
Armature Diameter	120mm
Effective Moving Elements Mass	2kg
Fundamental Resonance	5,000Hz (±5%)
Load Attachment Points *	6xM8
Dimension (WxDxH)	400×394×472mm
Weight	130kg
Cooling Mode	Air Cooled
Shaker Model (with slip table)	**VE-51100ST**
Frenquency Range	5-2,000Hz
Max.Displacement (p-p)	20mm
Max.Acceleration (bare table)	120m/s^2
Max.Load	20kg
Slip Table Dimension (L×H)	300×300×25mm
Slip Table Moving Weight	6.4kg
Dimension (WxDxH)	795×550×460mm
Weight	200kg

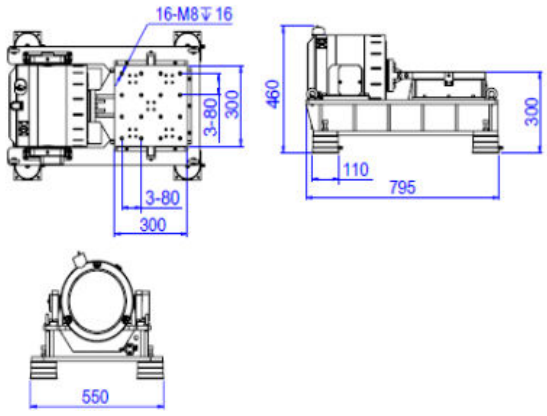
Power Amplifier Model	VSA-H132A
Max. Power Output	1,300VA
Max. Output Voltage	65Vrms
Max. Output Current	20Arms
Max. Input Voltage	2.5Vrms
Dimension (WxDxH)	526×504×152mm
Weight	14.6kg
Working Environment	
Temperature	0-40℃
Humidity (RH, non-condensing)	10~90%
Power Supply Requirement	1,200VA, 100-120V/200-240V, 50/60Hz
System Composing and Accessories	
Shaker	1 set
Power Amplifiier	1 set
Blower	1 set
Slip Table (250×250mm)	Optional
Head Expander (250×250mm)	Optional
Connecting Cables	1 set
User Manual	1 set
Installation Tools	1 set
Vibration Controller	Optional
Sensors	Optional

Outline Drawing

VE-51100



VE-51100ST



SALE OF VIBRATION EQUIPMENT | TESTING SERVICES | MULTI-BRAND MAINTENANCE

TRANSPORT AND DELIVERY THROUGHOUT FRANCE

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