

# Transportation Tester

BF-50UT BF-100UT BF-50FT

# Vibration Tester

BF-50UD BF-45UA-E BF-70UA-E BF-70UA-E-T BF-25H-100/200 BF-100PS/200PS

## GENERAL CATALOGUE

Transportation Tester  
Vibration Tester  
Vibration Recorder  
Vibrating Parts Palletizer

# Vibration Recorder

# Vibrating Parts Palletizer

BFP-2AE BFP-5C



**Vibration touches your heart, and makes an impression**



CNOF-2055

**IDEX CO., LTD**

# Transportation Tester

Capable of reproducing in a 20 minute period during transportation by a truck over a distance of 1000 km

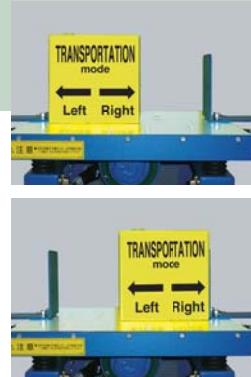
## BF-50UT

### 3-axis vibration

- Possible to reproduce 3-axis simultaneous vibration same as real transportation conditions and simulate left-right turn by a truck
- No need for general construction Installation space requires only 1m<sup>2</sup>
- Low noise 72dB or below



Simulates left-right turn



Load up to 120kg  
Great capacity table 1000 x 800 mm



## BF-100UT

### 3-axis vibration

- For vibration proof test of large equipment
- For verification of outer packaging friction by loading test objects in parallel
- Several tests under the same conditions are possible
- No need for general construction Just use leveler to install



Wide temperature range -30°C~+60°C apply to transportation environment test

## BF-50FT

### 3-axis vibration

- Test for subfreezing conditions in the winter and high temperature in the summer during transportation
- Just placing the tester in a freezer or chamber

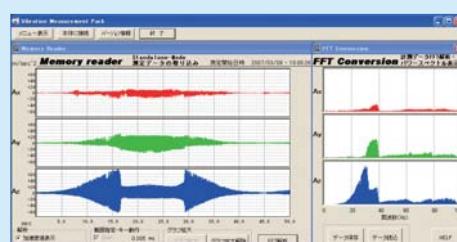


### Purpose

- Friction, Scratch
- Puncture • Pin-hole
- Deposition • Separation
- Decline of cushioning function
- Failure, Cracking etc....

# Vibration Recorder

Vibration characteristics during transport can be understood



### 3-Dimensional Wireless Vibration Recorder

### FFT analysis

- Displays graph representation of acceleration for each of the axes X, Y, and Z
- Resonance point detection through FFT analysis
- Suitable for package design evaluation

# Vibration Tester

Multipurpose 2-axis vibration  
**BF-50UD**

## 2-axis vibration

- Quality evaluation test for electronics-related products
- Screening of initial failure and total inspection under production line



## Purpose

- Notebook computer • LCD television
- Car navigation system
- Various types of electronic parts
- Mobile phone • Mounting board
- Various types of measurement instrument
- Failure, Cracking etc....

1-axis (Up/down) Vibration Tester

**BF-70UA-E**  
**BF-45UA-E**  
**BF-70UA-E-T**

## Vibration proof·Endurance test



BF-45UA-E

BF-70UA-E-T

- Screening of mounting board and various types of electronics
- Load up to 100kg
- Characteristic of vibration direction can be understood

\*1

\*1=Foot switch is not included for BF-45UA-E & BF-70UA-E

Compact Vibration Tester

**BF-25H-100/200**



## Desktop type

- AC100V / 200V
- Load up to 25kg

## Purpose

- Bad solder
- Removal of dust
- Poor contact of connector etc.....



Compact Vibration Tester

**BF-100PS/200PS**

## Handheld

- Portable vibration tester Vibrates the desired positions directly
- Adjustable 10 levels of frequency



# Vibrating Parts Palletizer

2-axis vibration  
**BFP-2AE**

## High Speed

## Purpose

- Electronic parts
- Optical parts • CCFL
- PGA pins • Alignment
- Obverse/reverse screening
- Transfer • Pin insert • Direction screening

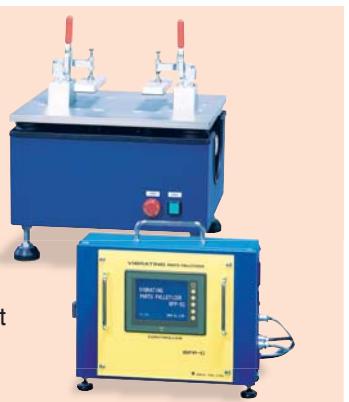


**BFP-5C**

## Desktop type

## Purpose

- Lamination
- Positioning
- Assembly • Alignment
- Inspection



Model	<b>BF-50UT</b> 	<b>BF-100UT</b> 	<b>BF-50FT</b> 	<b>BF-50UD</b> 	<b>BFP-2AE</b> 		
Frequency range	10~67Hz	10~50Hz	10~67Hz	10~67Hz	5~55Hz		
Acceptable acceleration range	98m/s <sup>2</sup> (10G)	49m/s <sup>2</sup> (5G)	98m/s <sup>2</sup> (10G)	98m/s <sup>2</sup> (10G)	49m/s <sup>2</sup> (5G)		
Adjustable displacement range	0.2~2.6mmP-P	0.2~2.5mmP-P	0.2~2.0mmP-P	0.2~3.0mmP-P	0.6~1.5mmP-P		
Maximum loading weight	50Kg	120Kg	50Kg	50Kg	20Kg		
Vibration table	500×600mm	1000×800mm	500×600mm	450×516mm	400×400mm		
Vibration direction	Up/down, right/left, front/rear (3-axis simultaneous vibration)			Up/down, right/left (2-axis vibration)	Up/down, front/rear (2-axis vibration)		
Operation	Liquid crystal touch panel	Stand-alone control unit		Liquid crystal touch panel			
Vibration mode	MANUAL/RANDOM/SWEEP/TRANSPORTATION			MANUAL/RANDOM/SWEEP/MANUAL ROTATION	MANUAL/AUTO/GATHER(MANUAL) GATHER(AUTO)/RANDOM		
Temperature and humidity	0~40°C ※No condensation		Vibration unit : -30°C~60°C Control unit : 0°C~40°C ※No condensation		0~40°C ※No condensation		
Protective function	Overload protective function						
Power source	AC200~240V 3 phase 50/60Hz (1 phase required, please specify)						
Air source	_____	0.4~0.6MPa(4~6kgf/cm <sup>2</sup> )	_____	_____	0.3~0.5MPa(3~5kgf/cm <sup>2</sup> )		
Dimensions	500(W)×600(D)×650(H)mm	Vibration unit 1000(W)×800(D)×445(H)mm	Vibration unit 500(W)×600(D)×670(H)mm	450(W)×516(D)×650(H)mm	500(W)×600(D)×1000(H)mm		
		Control unit 650(W)×460(D)×900(H)mm	Control unit 650(W)×460(D)×900(H)mm				
Weight	Approx. 80kg	Vibration unit : Approx. 180kg Control unit : Approx. 60kg	Vibration unit : Approx. 85kg Control unit : Approx. 60kg	Approx. 77kg	Approx. 170kg		

Model	<b>BF-45UA-E</b> 	<b>BF-70UA-E</b> 	<b>BF-70UA-E-T</b> 	<b>BF-25H-100/200</b> 	<b>BF-100PS/200PS</b> 
Frequency range	SWEEP : 5~67Hz MANUAL/RANDOM : 15~67Hz			Power frequency 50Hz type 50Hz fixed frequency	50Hz type: 50, 25, 16.7, 12.5, 10, 8.3, 7.1, 5, 2.8, 1Hz
Acceptable acceleration range	98m/s <sup>2</sup> (10G)			Power frequency 60Hz type 60Hz fixed frequency	60Hz type: 60, 30, 20, 15, 12, 10, 8.6, 6.7, 3, 1Hz
Adjustable displacement range	1.2~3.5mmP-P	0.8~3.0mmP-P	0.8~2.8mmP-P	0~1.5mmP-P	0~5.0mmP-P
Maximum loading weight	45Kg	100Kg		25Kg	_____
Vibration table	530×582mm	550×622mm	650×722mm	400×350mm	_____
Vibration direction	Up/down (1-axis vibration)				
Operation	Liquid crystal touch panel			Displacement volume, Timer, Toggle switch	Displacement / Frequency adjustor, 2 levels switch
Vibration mode	MANUAL/RANDOM/SWEEP				
Temperature and humidity	0~40°C ※No condensation			0~50°C ※No condensation	0~40°C ※No condensation
Protective function	Overload protective function				
Power source	AC200~240V 3 phase 50/60Hz (1 phase required, please specify)			AC100V : 50 or 60Hz	AC200V : 50 or 60Hz
Air source	_____	_____			
Dimensions	530(W)×582(D)×650(H)mm	550(W)×622(D)×650(H)mm	650(W)×722(D)×650(H)mm	400(W)×373(D)×310(H)mm	187(W)×80(D)×283(H)mm
Weight	Approx. 105kg	Approx. 115kg	Approx. 125kg	Approx. 30kg	Approx. 650g

\*1=Foot switch is not included for BF-45UA-E & BF-70UA-E

Manufacturer



**IDEX CO., LTD**

594-1, Narahara Hachioji Tokyo 193-0803 Japan  
Phone (+81)-42-626-0071 FAX (+81)-42-624-9833  
[Home page] <http://www.hello.idex.co.jp>  
[E - m a i l] [info@hello-idex.co.jp](mailto:info@hello-idex.co.jp)

Made in Japan