



Hand-type

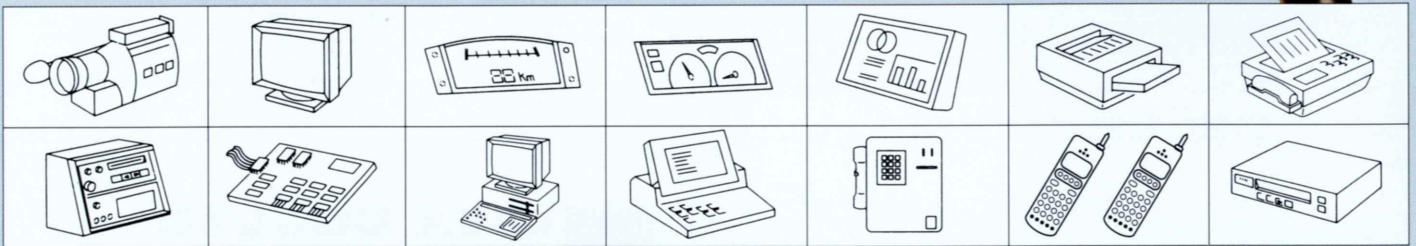
VIBRATION TESTER

BF-SERIES

*Patent has been applied and registration of designs

The bright product is developed by IDEX

- Help to check the vibration proof ability for electronic equipments
- Simple operation and good safety
- The new added-value can be found by partial vibration tests
- It can be chosen from 3 sizes of vibration head to vibrate the desired positions
- Only touch to the object having this tester with one hand without any pressure
- It can be changed the desired acceleration and be used as hammering at low frequency

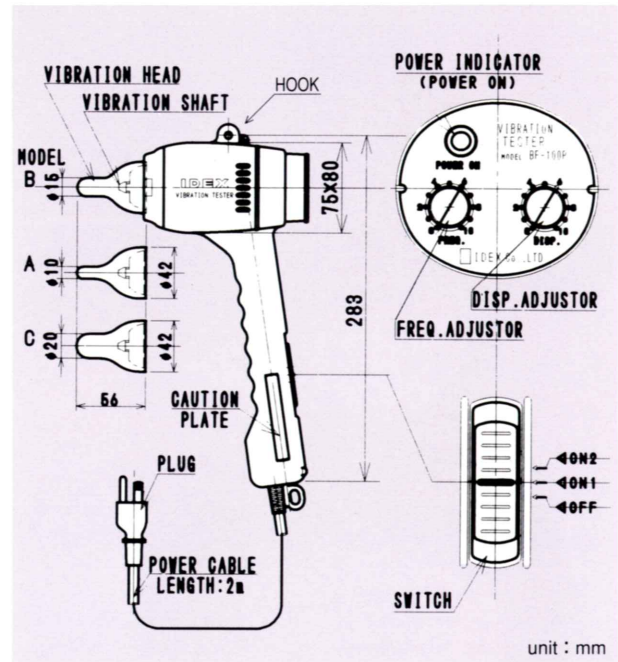


VIBRATION TESTER **BF-100P/BF-200P**

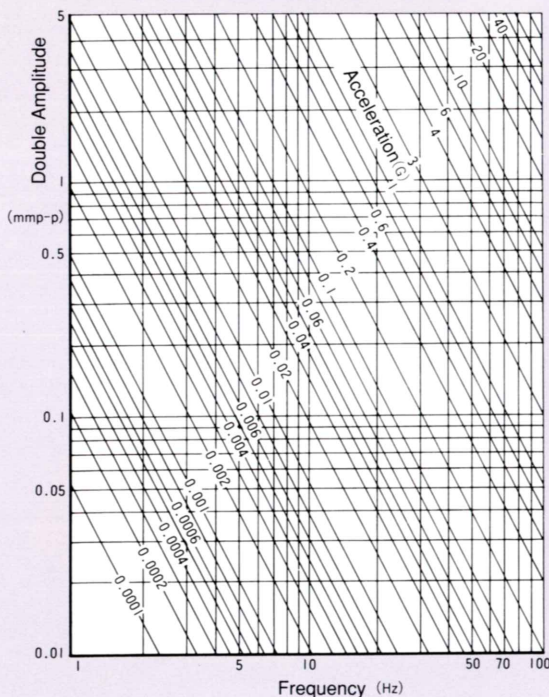
■ SPECIFICATIONS

Model Nos.	BF-100P	BF-200P
Range of Frequencies	50Hz type : 50.0, 25.0, 16.7, 12.5, 10.0, 8.3, 7.1, 5.0Hz 60Hz type : 60.0, 30.0, 20.0, 15.0, 12.0, 10.0, 8.6, 6.7Hz	
Range of Adjustable Amplitude	0 ~ 5.0mmP-P	
Range of Acceleration	0 ~ 6G	
Maximum Exciting Force	5kgf	
Automatic Timer built-in	2 levels switch : 1min.and 5min.	
Vibration Head	3 exchangeable head : Φ 10mm, Φ 15mm, Φ 20mm	
Direction of Vibration	Straight vibration at any directions	
Power Source	AC 85 ~ 120V 50 / 60Hz	AC 180 ~ 230V 50 / 60Hz
Electric Power Consumption	15W or below	15W or below
Power Cable	2m,3 lines cable with Plug	2m,3 lines cable without Plug
Dimensions,Weight	187(W) × 283(H) × 80(D) mm,Approx. 650g	
Safe Circuit	Overheat and Overcurrent Protections	
Range of Temperature and Humidity	0 ~ 40°C, 35 ~ 85% (Relative Humidity)	
Standard Accessories	Vibration Head : A (Φ 10mm),B (Φ 15mm),C (Φ 20mm)each 1 pc. Sticker < 50Hz,60Hz >each 1 pc. Operation Manual and Letter of Guarantee1 pc.	

■ OUTSIDE VIEW & DIMENSIONS



■ GRAPH OF CORRELATION



Formula for obtaining the vibration acceleration

$$A = \frac{(2\pi f)^2 d}{980}$$

A : Vibration Acceleration (G)
f : Vibration Frequency (Hz)
d : Amplitude (one-side) (cm)

Digital Acceleration Meter **OPTION** for Hand-type Vibration Tester



In case the partial vibration acceleration is gained for the object with vibration head, it can be used to measure acceleration for the object fixing the pick-up on the same position as vibration head with accessory double-sided adhesive tape. It is useful measuring apparatus for setting initial acceleration value and quantifying of the vibration tester. It shall be issued the certificate of traceability conforming to ISO.

Model
Vibration Pick-Up

HM-20
Acceleration Pick-Up (Amplifier Built-in)
Sensitivity : 130m V/G ±20%
Double-sided Adhesive Fixing Type
Diameter : 22mm, Thickness : 12mm
Weight : Approx. 8g
1m Cable with 3P Connector

Range of Acceleration
Frequency Characteristics
Accuracy

0 ~ 19.9G (peak)
0 ~ 100Hz ±5%
Acceleration 3% of Rdg ± 1 digit
< at 50Hz 5G (peak) at 20 ±5°C >
Liquid Crystal Indication : Max. Indication is "19.9"
Sampling rate : Approx. 3times/sec.

Indicator

Battery
Ambient Temperature
Dimensions, Weight

006P (9V) 1pc.
0 ~ 50°C
130 (L) × 75 (W) × 24 (D) mm
Weight : Approx. 250g

Standard Accessories

Acceleration Pick-Up 1pc., Dry Battery (006P) 1pc.,
Double-sided Adhesive Tape 1 roll, Carrying Case 1pc.,
Operation Manual and Letter of Guarantee 1 pc.

● Specifications on this catalogue are subject to change without notice

Agent

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