



Chapter 1: Technical Parameters for Wewon Vibration Testing System EV232H0809VCSusb-E

01.	Application: The vibration test is to inspire or impact a part or device to see how it reacts in a real environment. The application of vibration test is very extensive, from the circuit board, aircraft, ships, rockets, missiles, automobiles and household appliances and other industrial products.	
02.	Product Name: Electromagnetic Vibration Testing Machine Model: EV232H0809VCSusb-E2	
03.	Electromagnetic Vibration Generator Parameters VG3200-50:	
04.	Maximum Sine Excitation Force:	3200Kg.f
05.	Maximum Random Excitation Force:	3200Kg.f
06.	Maximum Impact Excitation Force:	6400Kg.f
07.	Frequency Range:	1 ~ 2500 Hz
08.	Maximum Displacement:	51 mm
09.	Maximum Speed: (Wewon Copyright)	2m / s

10.	Maximum Acceleration:	100G (980 m / s ²)		
11.	Maximum Load and Accelerated Speed Relationship (Sine) F=M.A			
12.	5G (50 m/s ²)	10G (100 m/s ²)	20G (200 m/s ²)	30G (300 m/s ²)
13.	665kg	315kg	140kg	80kg
14.	First Order Resonant Frequency:	2400 Hz ± 5%		
15.	Effective Load:	800 kg (M1+M2)		
16.	Vibration Isolation Frequency:	2.5 Hz		
17.	Moving Coil Diameter:	Ø 400 mm		
18.	Dynamic Mass:	32 kg		
19.	Table Screws:	17 × M10		
20.	Magnetic Flux Leakage:	<10 gauss		
21.	Allowable Eccentricity Torque:	More than 500 N.m		
22.	Equipment Size:	1400mm × 1300mm × 1240mm (Not Include Extension Table)		
23.	Equipment Weight:	3100 Kgs		
24.	Digital Switching Power Amplifier SA-40			
25.	Output Power:	40KVA		
26.	Output Voltage:	100 V		
27.	Output Current:	360 A		
28.	Noise: (Wewon Copyright)	≤ 70dB		
29.	Amplifier Size:	800mm × 550mm × 1800mm		
30.	Servo Protection System:			
31.	Function: Temperature, wind pressure, over displacement, overvoltage, overcurrent, input undervoltage, external fault, control power supply, logic fault, input phase.			
32.	Digital Vibration Controller VSSub-E			
33.	Hardware Configuration:	2 channel input, 1 output channel, Sine, random, typical impact		
34.	Control System (Computer)	17 "LCD monitor, keyboard / optical mouse, Intel		
35.	Software Description:	English Operation, can be time domain and frequency domain analysis, signal source, sine sweep frequency analysis. Can automatically generate WORD test report, signal and data display, storage, set the test parameters and analysis functions.		
36.	Operating System:	Windows 2000 / XP / Win7		
37.	Acceleration Sensor: B & W	frequency Range: 1-12000Hz		
		Sensitivity: 50mv / g		
		Temperature Range: -24 - 250 ° C		
		Teflon high temperature safeguard wire		
38.	Vertical Expansion Table VT680:			
39.	Table's Material:	Magnesium aluminum alloy, Surface hard anodized		
40.	Size: (Wewon Copyright)	800mm × 800mm		
41.	Fixed Hole:	M10 Rectangular distribution, 100mm * 100mm, Stainless steel screw sets, Durable Wear		
42.	Frequency Used:	Sine, 500 Hz; Random: 2000Hz		
43.	Table's Weight:	90 Kg		
44.	Horizontal Oil Film Slide H0808			
45.	Material:	Aluminum-magnesium alloy, Surface hard anodized		
46.	Vibration Testing Body Size:	800mm × 800mm × 40mm		
47.	Fixed Hole:	M10 Rectangular distribution, 100mm * 100mm, Stainless steel screw sets, Durable Wear		
48.	Frequency Used (MAX):	Sine, 800 Hz, Random: 2000Hz		

49.	Weight:	100 Kg (Not include the connector/ insulation board)
50.	Cooling Fan (with silencer) BL-3200	
51.	Fan Power:	15KW
52.	Flow Rate:	1.2m ³ / s
53.	Fan's air pressure	6.5 Kpa
54.	Electrical Requirement	
55.	Power Supply:	AC 3 Phase 380V / 50Hz, 65 KVA
56.	Compressed Air:	0.6 Mpa
57.	Grounding Resistance:	≤ 4 Ω



Chapter 2: Fully Introduction to Equipment's Performance: Wewon's Vibration Testing System

Electromagnetic Vibration Main Body, VG3200-50:	Movable Coil:	Shaking table with casting and manual processing of the moving coil, photoelectric pneumatic load support system and dual bearing axial guidance. The dual bearing orientation is a unique feature that helps to reduce axial dynamic cross and rotation during vibration testing, with superior durability.
	Magnet Exciting Coil:	Using dual magnetic circuit structure, low magnetic flux leakage, magnetic field uniform
	Vibration Body's Surface:	The use of advanced phosphating treatment and automotive paint technology, with long-term anti-wear anti-rust effect.
	Vibration Body's Cooling/ Refrigeration	The use of low-noise fan, to improve the body into the wind structure, excitation coil using honeycomb duct, the magnetic ring with double diversion