

HG-5026 Vibration Calibrator

HG-5026 vibration calibrator can be used to calibrate vibration accelerometer, velocity and proximity transducer and also a vibration measuring instrument. Standard sine signal vibration at any frequency from 1 to 1280 Hz can be defined in the calibrator. The amplitude of the acceleration, velocity and displacement, can be defined through potentiometers and shown on digital displays. Either horizontal or vertical vibration can be generated. HG-5026 combines sine signal generator, power amplifier, standard transducer, vibration meter and a shaker in one and features a small volume, high accuracy and easy operation. It can be used either in laboratory or on site.



Specifications

Frequency: from 1 to 1280 Hz

Amplitude accuracy:

Acceleration (@10m/s ² pk)	40Hz to 320Hz ± 0.3dB ± 1digit
	20Hz to 640Hz ± 0.5dB ± 1digit
Velocity (@20mm/sec rms)	40Hz to 320Hz ± 0.5dB ± 1digit
Displacement (@50µm pk-pk)	40Hz to 320Hz ± 0.5dB ± 1digit

Proximity probe linearity calibration kits

Probe: 5mm and 8mm probes Range: 0~2.0mm

Display: 3 1/2 digit display for vibration and frequency

Maximum vibration amplitude & transducer weight



Wt	≤100g			≤250g			≤500g		
	a(m/S ²)	v(mm/S)	d(µm)	a(m/S ²)	v(mm/S)	d(µm)	a(m/S ²)	v(mm/S)	d(µm)
10Hz	2.5	28	1300	3.5	40	1800	4	45	2000
20Hz	15	85	1900	10	60	1300	5	28	640
40Hz	60	170	2000	35	100	1100	12	35	380
80Hz	100	141	800	40	60	320	14	20	110
160Hz	75	53	150	35	25	70	12	8.5	24
320Hz	50	18	25	30	10	15	10	3.5	5
640Hz	30	5	3	20	3.5	2	6	1	*
1280Hz	23	2	*	10	0.9	*	5	0.4	*

Size: 300 x250 x210(mm)

Net Weight: 6 kg

Temperature: Operation: 0°C to 50°C

Storage: -20 °C to 70 °C

Power: 220Vac (optional 110Vac)