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Our Sister Concern : RELIEF SERVICE CENTRE

Repairs, Removal of Jaw Error, Bore Gauge Extension, Instrument Modifications & Spares

Quotation

89 | Vibration Meter

Model	D83	D93	VB 8200	8201HA	8203	8204	RS 232 Data Cable
ACD Make Rs.	15000	18500	-	-	-	-	-
Lutron Make Rs.			22000	14000	28000	32000	4680
Calibration Cert	Y	Y	N	N	N	N	
Calibration Rs.			1800	1800	1800	1800	1800
Warranty –months	12	12	-	-	-	-	-
Catalog	Page No. – 10	Page No. – 10	Page No. - 2	Page No. - 4	Page No. - 6		Page No. – 13

89 - 1	Vibration Meter - Metrix+ @ With 10% Discount	Model	Rs	Catalog
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1	Velocity , Acceleration & Displacement	VM 8200+	15000	Page No. – 12
2	MkII Velocity , Acceleration , Displacement , RPM & Frequency	VM 8200MK II	18400	Page No. – 13
3	Velocity , Acceleration , Displacement , & Frequency	VB 8202A	22000	Page No. – 12
4	PC Interface RS 232C + Software + USB Adaptor For VM 8200 mk II		4200	
5	Spare Probe for Vibration Meter		7200	

Note : No any warranty in all above Testing Instruments

Terms & Conditions –

- Goods offered - Subject to Prior Sale
- Price Validity: "15 Days from Date of Quotation"
- C.S.T 2% extra against form C. Otherwise 5% without form C For Out of Gujarat Sales only.
- VAT 5% extra for Sales within Gujarat. Prices Ex-Godown Ahmedabad.
- Payment against Proforma Invoice, Packing, Forwarding & Freight extra.
- **Bank Detail** – Kotak Mahindra Bank Ltd.
- **Branch** – Shivranjini
- **Bank IFSC Code** - KKBK 0000 810
- **Bank Account No.** 08102 00000 2689
- Note - While making payment online do mention your Company's name.
- TIN NO 24070901229 , CST No. 24570901229
- We are looking forward to your valued orders.

LUTRON MAKE

VIBRATION METER

Model : VB-8200

ISO-9001, CE, IEC1010

FEATURES



- * Applications for industrial vibration monitoring : All industrial machinery vibrates. The level of vibration is a useful guide to machine condition. Poor balance, misalignment and looseness of the structure will cause the vibration level increase, it is a sure sign that the maintenance is needed.
- * Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.
- * Supply with vibration sensor & magnetic base, full set.
- * Velocity range : 200 mm/s.
- * Acceleration range : 200 m/s²
- * RMS & Peak measurement.
- * Data hold, Memory (Max. & Min.).
- * Separate vibration probe.
- * RS 232 computer interface.
- * Optional data acquisition software.
- * Microcomputer circuit.
- * Auto shut off saves battery life.
- * Hard carrying case include.



Lutron

LUTRON ELECTRONIC

The Art of Measurement

VIBRATION METER, Model : VB-8200

FEATURES	
* Applications for industrial vibration monitoring : All industrial machinery vibrates. The level of vibration is a useful guide to machine condition. Poor balance, misalignment & looseness of the structure will cause the vibration level increase, it is a sure sign that the maintenance is needed.	* Data hold button to freeze the desired reading.
	* Memory function to record maximum and minimum reading with recall.
	* Separate vibration probe, easy operation
	* RS 232 computer interface.
* Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.	* Optional data acquisition software for data record & datalogger.
	* Super large LCD display.
* Professional vibration meter supply with vibration sensor & magnetic base, full set.	* Microcomputer circuit, high performance.
	* Auto shut off saves battery life.
* Velocity measuring range 200 mm/s.	* Built-in low battery indicator.
* Acceleration measuring range 200 m/s ² .	* Heavy duty & compact housing case.
* RMS & Peak measurement.	* Complete set with the hard carrying case.

SPECIFICATIONS			
Display	61 mm x 34 mm supper large LCD display. 15 mm (0.6") digit size.	Sampling time	Approx. 1 second.
		Data output	RS 232 serial output, isolate.
Measurement	Velocity, Acceleration RMS value, Peak value Data hold, Max. & Min. value.	Operating temperature	0°C to 50°C (32°F to 122°F).
		Operating humidity	Less than 80% RH.
Range	<i>Velocity :</i> 200 mm/s : 0.5 to 199,9 mm/s. <i>Acceleration :</i> 200 m/s ² : 0.5 to 199.9 m/s ² .	Power supply	Alkaline or heavy duty type DC 9V battery, 006P, MN1604 (PP3) or equivalent.
		Power consump.	Approx. DC 6 mA.
Frequency range	10 Hz to 1 KHz. <i>* Sensitivity relative during the the frequency range meet ISO 2954.</i>	Weight	<i>Meter</i> 230 g/0.50 LB <i>Probe</i> 38 g/0.09 LB
		Dimension	<i>Meter :</i> 180 x 72 x 32 mm (7.1 x 2.8 x 1.3 inch). <i>Vibration sensor probe:</i> Round 19 mm Dia. x 21 mm.
Accuracy	± (5 % + 2 d) reading , @ 160 Hz, 80 Hz. @ 23 ± 5 °C		
Calibration point	Velocity : 50 mm/s (160 Hz) Acceleration : 50 m/s ² (160 Hz)	Accessories included	Instruction manual..... 1 PC. Vibration sensor..... 1 PC. Magnetic base..... 1 PC. Carrying Case..... 1 PC.
Circuit	Exclusive microcomputer circuit.	Optional accessories	* Software (Windows version, data record & data acquisition).....SW-U801-WIN * RS232 cable.....UPCB-01 * USB cable.....USB-01
Data hold	Freeze the desired reading.		
Peak hold	To measure the peak value.		
Memory	Maximum & Minimum value.		
Power off	Auto shut off, saves battery life, or manual off by push button.		

* Appearance and specifications listed in this brochure are subject to change without notice.

0703-VB8200

VIBRATION METER

Model : VB-8201HA

ISO-9001, CE, IEC1010



FEATURES

- * Applications for industrial vibration monitoring : All industrial machinery vibrates. The level of vibration is a useful guide to machine condition. Poor balance, misalignment and looseness of the structure will cause the vibration level increase, it is a sure sign that the maintenance is needed.
- * Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.
- * Supply with vibration sensor & magnetic base, full set.
- * Velocity range : 200 mm/s.
- * Acceleration range : 200 m/s²
- * RMS & Peak measurement.
- * Data hold, Memory (Max. & Min.).
- * Separate vibration probe.
- * Optional data acquisition software.
- * Microcomputer circuit.
- * Auto shut off saves battery life.
- * Hard carrying case include.



Lutron

LUTRON ELECTRONIC

The Art of Measurement

VIBRATION METER

Model : VB-8201HA

FEATURES	
* Applications for industrial vibration monitoring : All industrial machinery vibrates. The level of vibration is a useful guide to machine condition. Poor balance, misalignment & looseness of the structure will cause the vibration level increase, it is a sure sign that the maintenance is needed.	* RMS & Peak measurement.
	* Wide frequency range.
	* Data hold button to freeze the desired reading.
	* Memory function to record maximum and minimum reading with recall.
	* Separate vibration probe, easy operation.
* Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.	* Super large LCD display.
	* Microcomputer circuit, high performance.
* Professional vibration meter supply with vibration sensor & magnetic base, full set.	* Auto shut off saves battery life.
	* Built-in low battery indicator.
* Velocity measuring range 200 mm/s.	* Heavy duty & compact housing case.
* Acceleration measuring range 200 m/s ² .	* Complete set with the hard carrying case.

SPECIFICATIONS			
Display	61 mm x 34 mm super large LCD display. 15 mm (0.6") digit size.	Memory	Maximum & Minimum value.
		Sampling time	Approx. 1 second.
		Operating temperature	0 to 50 °C (32 to 122 °F).
Measurement	Velocity, Acceleration RMS value, Peak value, Data hold, Max. & Min. value.	Operating humidity	Less than 80% RH.
		Power supply	Alkaline or heavy duty type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.
Range	<i>Velocity :</i> 200 mm/s : 0.5 to 199.9 mm/s	Power consumption	Approx. DC 6 mA.
	<i>Acceleration :</i> 200 m/s ² : 0.5 to 199.9 m/s ²		
Frequency range	10 Hz to 1 KHz <i>* Sensitivity relative during the the frequency range meet ISO 2954</i>	Weight	<i>Meter</i> 274 g/0.60 LB
			<i>Probe with magnetic base</i> 38 g/0.08 LB
		Dimension	<i>Meter :</i> 185 x 78 x 38 mm (7.3 x 3.1 x 1.5 inch). <i>Vibration sensor probe:</i> Round 16 mm Dia. x 29 mm.
Accuracy	± (5 % + 2 d) reading @ 80 Hz, 160 Hz. @ 23 ± 5 °C	Accessories included	Instruction manual..... 1 PC. Vibration sensor (VB-81A) 1 PC. Cable..... 1 PC. Magnetic base..... 1 PC. Carrying Case..... 1 PC.
Calibration point	Velocity : 50 mm/s (160 Hz) Acceleration : 50 m/s ² (160 Hz)		
Circuit	Exclusive microcomputer circuit.		
Data hold	Freeze the desired reading.		
Peak measurement	To measure the peak value.		
Power off	Auto shut off, saves battery life, or manual off by push button.		

Acc./Vel./Disp., RS232, Max. hold, Peak value. Data hold

VIBRATION METER

Model : VB-8203

ISO-9001, CE, IEC1010



VIBRATION METER

Model : VB-8203

1. FEATURES

* Applications for industrial vibration monitoring : All industrial machinery vibrates. The level of vibration is a useful guide to machine condition. Poor balance, misalignment & looseness of the structure will cause the vibration level increase, it is a sure sign that the maintenance is needed.
* Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.
* Professional vibration meter supply with vibration sensor & magnetic base, full set.
* Metric & Imperial display unit
* Acceleration, Velocity, Displacement measurement.
* RMS, Peak value, Max. hold measurement.
* Wide frequency range.
* Data hold button to freeze the desired reading.
* Memory function to record maximum and minimum reading with recall.
* Separate vibration probe with magnetic base, easy operation.
* RS 232 computer interface.
* Data Logger.
* Optional data acquisition software.
* Optional data logger (data collection) software.
* Super large LCD display with bar graph indicator.
* Microcomputer circuit, high performance.
* Auto shut off saves battery life.
* Built-in low battery indicator.
* Heavy duty & compact housing case.
* Complete set with the hard carrying case.

Accessories included	Instruction manual..... 1 PC. Vibration sensor with cable..... 1 PC. Magnetic base..... 1 PC. Carrying Case..... 1 PC.
Optional accessories	* RS232 cable, UPGB-02 * Data Acquisition software, SW-801-WIN * Data Logger (data collection) software, DL-2005.

2-2 Electrical Specifications

Acceleration (RMS, Peak, Max Hold)	
Unit	m/s ²
Range	0.5 to 199.9 m/s ²
Resolution	0.1 m/s ²
Accuracy	± (5 % + 2 d) reading @ 160 Hz, 80 Hz, 23 ± 5 °C
Calibration Point	50 m/s ² (160 Hz)
Unit	G @ 1 G = 9.8 m/s ²
Range	0.05 to 20.39 G
Resolution	0.01 G
Accuracy	± (5 % + 2 d) reading @ 160 Hz, 80 Hz, 23 ± 5 °C
Calibration Point	50 m/s ² (160 Hz)
Unit	ft/s ²
Range	2 to 656

2-1 General Specifications

Display	52 mm x 38 mm, LCD display. 16 mm (0.63") digit size. With bar graph indicator.	
Measurement	Velocity, Acceleration, Displacement	
Function	Main	RMS, Peak, Max. Hold.
	Others	Data hold, Max. & Min. value, Data logger.
Frequency range	10 Hz to 1 KHz <i>* Sensitivity relative during the the frequency range meet ISO 2954 Refer to table 1, page 19.</i>	
Circuit	Exclusive microcomputer circuit.	
Data hold	Freeze the desired reading.	
Peak measurement	To measure the peak value.	
Max. hold measurement	To measure and update the max. peak value.	
Memory	Maximum & Minimum value.	
Power off	Auto shut off, saves battery life, or manual off by push button.	
Sampling time	Approx. 1 second.	
Sampling Time of Data Logger	0, 1, 2, 10, 30, 60, 600, 1800, 3600 sec. <i>* 0 second : Manual data logger. * Other sampling time beyond 0 second : Auto data logger.</i>	
Data Logger No.	500 no. max.	
Data output	RS 232 serial output, isolate.	
Operating temperature	0 to 50 °C (32 to 122 °F).	
Operating humidity	Less than 80% RH.	
Power supply	Alkaline or heavy duty type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.	
Power consumption	Approx. DC 13 mA.	
Operating temperature	0 to 50 °C (32 to 122 °F).	
Operating humidity	Less than 80% RH.	
Power supply	Alkaline or heavy duty type, DC 9V battery, 006P, MN1604 (PP3) or equivalent.	
Power consumption	Approx. DC 13 mA.	
Weight	Meter	253 g/0.55 LB
	Probe with cable and magnetic base	99 g/0,22 LB
Dimension	Meter : 200 x 68 x 30 mm (7.9 x 2.7x 1.2 inch)	
	Vibration sensor probe: Round 16 mm Dia. x 37 mm. Cable length : 2 meter.	

Accuracy	± (5 % + 2 d) reading @ 160 Hz, 80 Hz, 23 ± 5 °C
Calibration Point	50 m/s ² (160 Hz)
Velocity (RMS, Peak, Max Hold)	
Unit	mm/s
Range	0.5 to 199.9 mm/s
Resolution	0. 1 mm/s
Accuracy	± (5 % + 2 d) reading @ 160 Hz, 80 Hz, 23 ± 5 °C
Calibration Point	50 mm/s (160 Hz)
Unit	cm/s
Range	0.05 to 19.99 cm/s
Resolution	0. 01 cm/s
Accuracy	± (5 % + 2 d) reading @ 160 Hz, 80 Hz, 23 ± 5 °C
Calibration Point	50 mm/s (160 Hz)
Unit	inch/s
Range	0.02 to 7.87 inch/s
Resolution	0.01 inch/s
Accuracy	± (5 % + 2 d) reading @ 160 Hz, 80 Hz, 23 ± 5 °C
Calibration Point	50 mm/s (160 Hz)
Displacement p-p (RMS, Max Hold)	
Unit	mm
Range	1.999 mm
Resolution	0.001 mm
Accuracy	± (5 % + 2 d) reading @ 160 Hz, 80 Hz, 23 ± 5 °C
Calibration Point	0.141 mm (160 Hz)
Displacement p-p (RMS, Max Hold)	
Unit	mm
Range	1.999 mm
Resolution	0.001 mm
Accuracy	± (5 % + 2 d) reading @ 160 Hz, 80 Hz, 23 ± 5 °C
Calibration Point	0.141 mm (160 Hz)
Unit	inch
Range	0.078 inch
Resolution	0.001 inch
Accuracy	± (5 % + 2 d) reading @ 160 Hz, 80 Hz, 23 ± 5 °C
Calibration Point	0.141 mm (160 Hz)
<i>* Remark : p-p = Peak to Peak</i>	

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0509-VB8203

ACD MAKE

Make - ACD - with 1yr warranty + calibration cert.

VIBRATION METER

Model : D-83 & D-93



- PIEZO ELECTRIC SENSOR
- 3 ½ DIGIT LCD DISPLAY

D - 83 : DISPLACEMENT 0 - 2000 microns pk - pk

D - 93 : DISPLACEMENT 0 - 2000 microns pk - pk
& VELOCITY 0 - 200 mm / sec pK

WEIGHT : SENSOR - 20 gms.
INSTRUMENT - 460 g s.
TOTAL WITH CARRY CASE - 1100 gms.

SIZE : CARRY CASE - 210 x 180 x 75

VIBRATION AND SOUND ARE TWO MOST IMPORTANT PARAMETERS FOR MONITORING THE MACHINE HEALTH.
REGULAR LOGGING OF THESE TWO PARAMETERS PROVIDES EARLY WARNING OF BREAKDOWN

WE ARE OFFERING PORTABLE INSTRUMENTS FOR INDIVIDUAL PARAMETERS AS WELL AS AN INTEGRATED
METER.

VIBRATION METER MODEL ACD -- D 93

All machines with rotating / moving parts or carrying currents vibrate. The maximum life and performance can only be achieved by operating machines within these specified limits.

The Vibration Meter is primarily intended to suit the above purpose. The regular measurement of various machines can be taken to judge their mechanical status.

The instrument can be used for very wide range of measurements. It can measure 0 to 2000 microns pk -- pk DISPLACEMENT and 0 to 200 mm/sec pk VELOCITY in the range of 600 R.P.M. to 60,000 R.P.M.

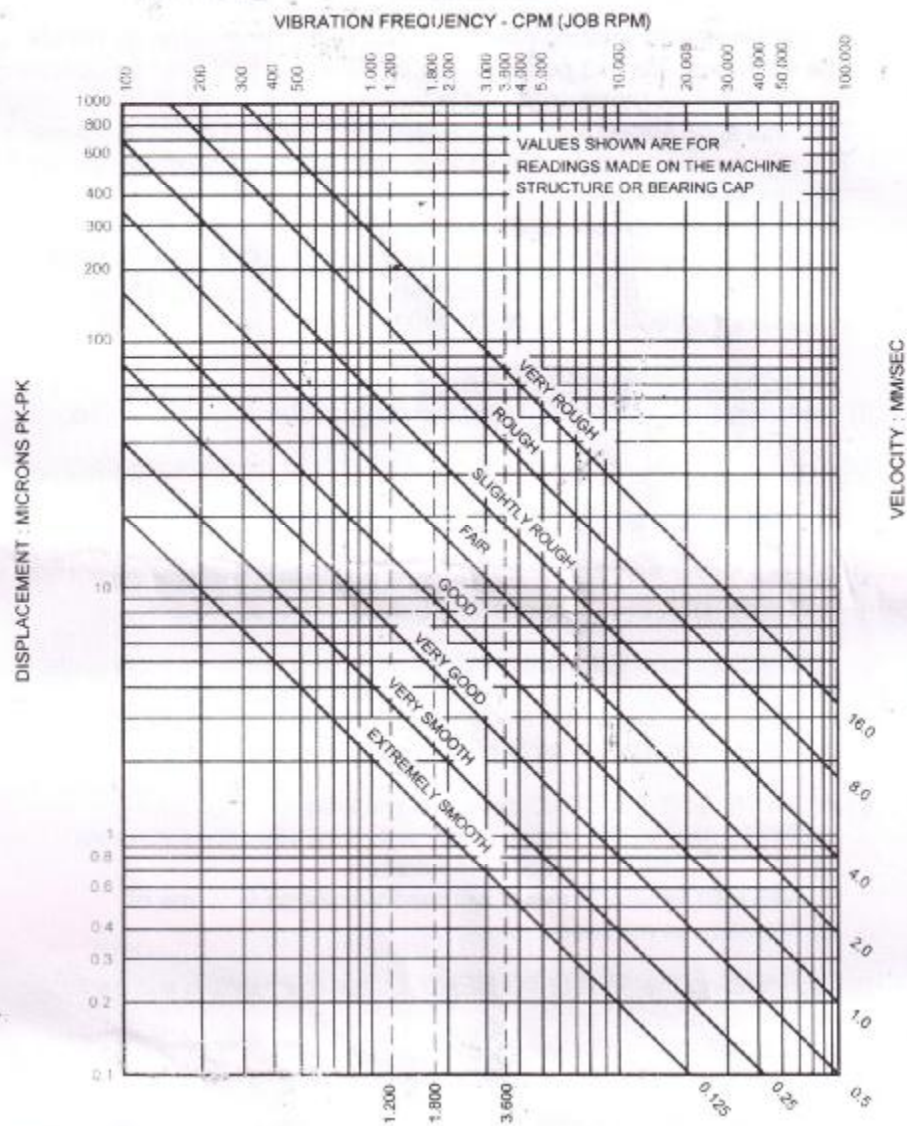
OPERATING INSTRUCTIONS :

- a) Remove the instrument and sensing probe from the case.
- b) Fix the stick to probe and connect the plug of the cable to the instrument.
- c) Put 'ON' the Meter with the switch provided
- d) In case 'LOW BATTERY' message is displayed, replace the batteries (2 X 6F22) by opening battery cover at the bottom
- e) Touch the probe to the point where vibrations are to be measured.
- f) It is advisable to use the sensor with magnetic holder provided wherever possible so as to get a steady reading.
- g) When 'PRESS TO READ' button is pressed,
in 'DISPLACEMENT' mode meter will read vibrations in terms of pk - pk DISPLACEMENT in microns.
In 'VELOCITY' mode meter will read vibrations in terms of pk Velocity in mm/sec.
- h) By releasing the 'PUSH TO READ' button the reading will be held in memory.
- i) For taking next reading, again press the button.

Acceptance norms should be formed either by comparison with a new 'Healthy' machine OR by referring to the I.S. / B.S. of the machine.

GENERAL MACHINERY VIBRATION SEVERITY CHART

ISO 2954 - 1975 (E)



ACD MACHINE CONTROL CO (P) LTD

METRIX MAKE

Metrix+TM
Innovative Excellence

Digital Vibration Meter VB 8202A

Product Description

Can display the parameters of "Displacement", "Velocity" and "Acceleration" simultaneously; Applied to the periodic motion measurements to detect moving mechanical imbalances and misaligned. Designed for on-site measuring various mechanical vibration, for quality control, running time and prior equipment maintenance data. Selection of high-performance accelerometers to achieve accurate, replicable measurement It has a bearing condition measurement function.

Product Feature

- * Can display the parameters of "Displacement", "Velocity" and "Acceleration" simultaneously.
- * In accordance with ISO 2954, used for periodic measurements, to detect out-of-balance, misalignment and other mechanical faults in rotating machines.
- * Specially designed for easy on site vibration measurement of all rotating machinery for quality control, commissioning, and predictive maintenance purposes.
- * Individual high quality accelerometer for accurate and repeatable measurements.
- * Wide frequency range (10Hz~10kHz) in acceleration mode.
- * AC output socket for headphones and recording.
- * Optional headphones for use as electronic stethoscope.
- * Bearing condition monitoring function.
- * Use "USB data output" and "RS-232 data output" with connection PC



Product Parameters

Transducer	Piezoelectric accelerometer
Accuracy	±5%+2 digits
Measurement Range	Displacement : 0.001-4.000mm equivalent peak-peak / 0.04-160.0 mil
	Velocity : 0.01-400.0 mm/s true RMS / 0.000-16.00 inch/s
	Acceleration : 0.1-400.0 m/s ² equivalent peak / 0.3-1312 ft/s ² / 0.0-40g
Frequency Range	Displacement : 10Hz. ~ 1kHz.
	Velocity : 10Hz. ~ 1kHz.
	Acceleration: 10Hz. ~ 10kHz.
Operating Conditions	Temperature : 0-50 °C
	Humidity : below 95% RH
Analogue Output	AC output 0~2.0V peak full scale (load resistance: above 10k)
Power Supply	2x1.5vAA (UM-3) Battery
Size	130x70x30mm
Weight	305g (Not including Batteries)

Product Accessories

Standard Accessories	Host
	Magnetic Suction Seat
	Probe (Cone)
	Probe (Spherical)
	Piezoelectric Sensor
	Carrying Case
	Manual Book
Optional Accessories	Headset
	USB Data Output
	RS-232 Data Output

Digital Vibration Meter VM8200 MK II – Metrix+

Specification :

- 4 Digits, 18mm LCD Display
- Auto Power Off
- Max. Hold
- Measure Accelerator/ Velocity/ Displacement with RPM & Frequency
- Metric/ Imperial Measurement
- Low Battery Indicator
- AC output socket for headphones and recording
- Optional Headphones for use as electronic stethoscope
- Optional RS- 232 Communication (Advanced Software Program for all windows)

Technical Data

Basic Function		Metric	Imperial
Acceleration	10Hz- 1 KHz (Mode 1)	0.1~ 200m/s ²	0.3~ 200ft/s ²
	10Hz- 10KHz (Mode 10)	0.3- 200ft/ms ²	0.3~ 1312ft/ ms ²
Velocity	10Hz- 1KHz	0.01~40 cm/s True RMS	0.000~ 16.00 inch/s
Displacement	10Hz- 1KHz	0.001~4 mm	0.004- 160 ml

RPM (revolution): 60~99, 9990r/min

Frequency: 1~ 20KHz

- Standard Accessory: Magnet, Accelerometer, Stinger probe (Cone), Stinger probe (Ball), Hard Carrying Case, Manual
- Optional Accessory: HTC RS- 232 Cable with Software, RS- 232 USB Cable
- Dimensions: 124 x 62 x 30 mm

