SD Card real time data logger, 4 to 20 mA transmitter output VIBRATION DATA RECORDER

Model: MVB-385SD

ISO-9001, CE, IEC1010









The Art of Measurement

SD Card real time data logger, 4 to 20 mA transmitter output VIBRATION DATA RECORDER

Model : MVB-385SD

FEATURES

FEATURES		
* Applications for industrial vibration monitoring :	Advanced	* Set clock time (Year/Month/Date, Hour/Minute/
All industrial machinery vibrates. The level of vibration is	setting	Second)
a useful guide to machine condition. Poor balance,		* Set sampling time
misalignment & looseness of the structure will cause the		* Set Auto Power OFF
vibration level increase, it is a sure sign that the		* Set beeper sound ON/OFF
maintenance is needed.		* Set SD card Decimal character
* Frequency range 10 Hz – 1kHz, sensitivity relative meet		* SD memory card Format
IOS 2954.		* Set UNIT
* Profressional vibration meter supply with vibration sensor	Data Output	RS 232/USB PC computer interface.
& magnetic base, full set.		* Connect the optional RS232 cable
* Metric & Imperial display unit.		UPCB-02 will get the RS232 plug.
* Acceleration, Velocity measurement.		* Connect the optional USB cable
* RMS, Max hold , Peak value measurement.		USB-01 will get the USB plug.
* Max. Hold reset button, Zero button.	Operating	0 to 50 ℃.
* Wide frequency range.	Temperature	
* Data hold button to freeze the desired reading.	Operating	Less than 85% R.H.
* Memory function to record maximum and minimum	Humidity	
reading with recall.	Power Supply	* DC 9V adapter input. (AC/DC power
* Separate vibration probe with magnetic base, easy operation.	* Meter &	adapter is included).
* Real time SD memory card Datalogger, it Built-in Clock	probe	
And Calenda, real time data recorder, sampling time set	Power Supply	* Alkaline or heavy duty DC 1.5 V battery
From 5 second to 3600 seconds.	* Clock backup	(UM4, AAA) x 6 PCs, or equivalent.
* Innovation and easy operation, computer is not need	probattery	
to setup extra software, after execute datalogger, just	Weight	199 g/0.44 LB.
take away the SD card from the meter and plug in the	Dimension	132 x 80 x 32 mm
SD card into the computer, it can down load the all the		(5.2 x 3.1 x 1.3 inch)
measured value with the time information(Accessories	* Instruction manual1 PC.
year/month/date/hour/minute/second) to the Excel	Included	* Vibration Sensor(VB-81A) 1 PC.
directly, then user can make the further data or graphic		* Magnetic base for VB sensor1 PC.
analysis by themselves.		* Plug for the 4-20 mA output, SKT-AS3851 PC.
*Sd card capacity : 1GB ~ 16 GB		
* LCD with green light backlight, easy reading.	Optional	* SD Card
* Can default auto power off or manual power off.	Accessories	* USB cable, USB-01.
* Data hold, record max. and min. reading.		* RS232 cable, UPCB-02.
* Microcomputer circuit, high accuracy.		* Data Acquisition software, SW-U801-WIN.
* Power by UM4/AAA(1.5V) x 6 batteries or DC 9V adapter.		* Excel Data Acquisition software, SW-E802.
* RS232/USB PC COMPUTER interface.		* AC-AP9VA (AC to DC 9V adapter)

GENERAL SPECIFICATIONS

Circuit	Custom one-chip of microprocessor LSI	E
	circuit.	F
Display	LCD size : 60 mm x 50 mm	
Measurement	Acceleration, Velocity	
Memory Card	SD memory card. 1 GB to 16 GB.	
Datalogger	5/10/30/60/120/300/600/1800/3600 seconds	
Sampling Time		\
Data error no.	\leq 0.1 % no. of total saved data typically.	
Update Time	Approx. 1 second if measuring data	
of Display	is changed.	

ELECTRICAL SPECIFICATIONS (23±5°C)

Function	Unit	Range and Resolution	Accuracy		
Acceleration	m/s^2	0.5 to 199.9 m/s^2	± (5% reading + 2 d)		
	g	0.05 to 20.39 G	@ 80 and 160Hz		
	ft/s2	2 to 656 ft/s2			
	Calibration Point: 50 m/S^2 (160 Hz)				
Velocity	mm/s	0.5 to 199.9 mm/s			
	cm/s	0.05 to 19.99 cm/s	± (5% reading + 2 d)		
	inch/s	0.02 to 7.87 inch/s	@ 80 and 160Hz		
	Calibration Point: 50 mm/s (160 Hz)				

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

220930-MVB385SD