



DT-178A/178B

3-Axis Vibration Dataloggers DT-178A is engineered to record acceleration data of vibration, it will record and time 3-axis vibrations and peaks to provide a history of shock/vibration conditions. and it will record the time when freefall happens. It measures and computes real-time spectral data using an FFT(Fast Fourier Transform) from 0 to 60 Hertz. The 178B is Vibration, humidity and temperature Datalogger.



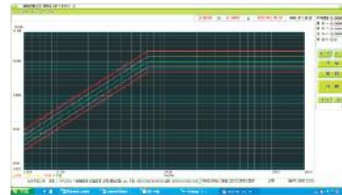
Features:		
	DT-178A	DT-178B
Records 3-axis shock	*	*
Build-in accelerometers	*	*
Measures dynamic and static acceleration	*	*
Real-time operation	*	*
Freefall detection mode	*	*
User settable trigger levels	*	*
Real-time FFT	*	*
High speed download (USB2.0)	*	*
Vibration, humidity and temperature Datalogger		*

Specifications:		
	DT-178A	DT-178B
Acceleration Sensor: MEMS Semiconductor	*	*
Acceleration Sensor sampling Rate:256Hz	*	*
Acceleration Range: $\pm 18g$	*	*
Acceleration Resolution: 0.00625g	*	*
Acceleration Accuracy: $\pm 0.5g$	*	*
Non-Linearity: $\pm 1\%$	*	*
Bandwidth: Approx.0-60Hz	*	*
Trigger Range: 0 to 18g(XYZ magnitude)	*	*
Temp & Humidity Range: -40 to 70°C/-40 to 158°F		*
0 to 100%RH		*
Temp & Humidity Resolution: 0.1%RH/0.1°C/°F		*
Temp & Humidity Accuracy: 2%RH/1°C/°F		*
Sampling Rate: 1sec. to 24hours	*	*
Memory: 8Mbit FLASH		
(Memory for 504126 samples, about 168042 samples/.axis for x, y and z axis separately)	*	*



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Accessories: 3.6V Lithium battery, software and clamshell.