



Model 178A

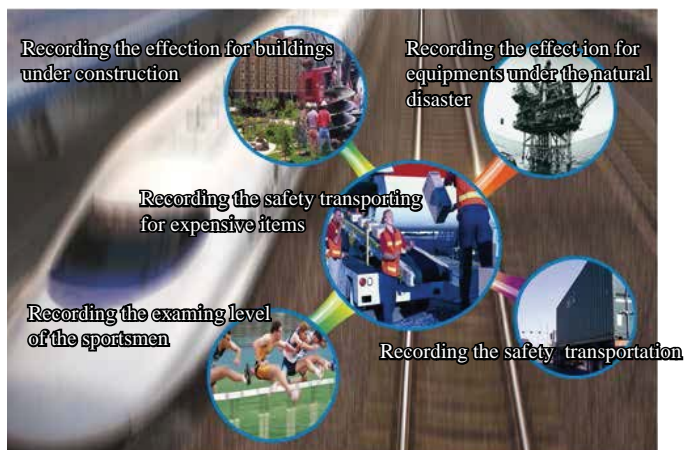
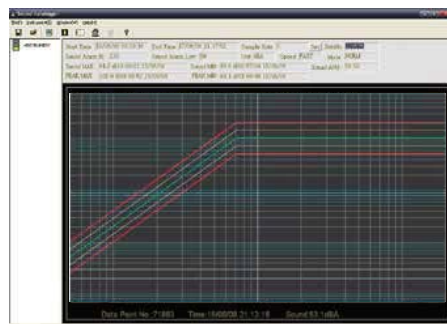


EMC
EN: 61326

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

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

Specifications

	178A	178B
Acceleration Sensor:MEMS Semiconductor	*	*
Acceleration Sensor sampling Rate:256Hz	*	*
Acceleration Range:±18g	*	*
Acceleration Resolution:0.00625g	*	*
Acceleration Accuracy:±0.5g	*	*
Non-Linearity:±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 seperately)	*	*

Accessories :

3.6V Lithium battery, software and clamshell.