

DT-186/187

Anemometer Datalogger

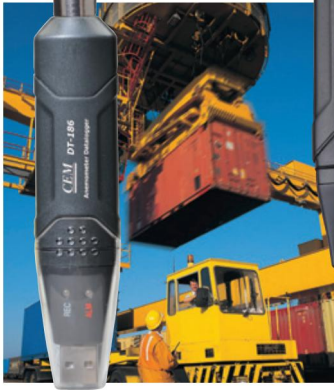


EMC
EN: 61326

Model 187



Model 186



Features

Alarm setup and indication
Recording and low battery indication
Manual and automatic start mode
USB port for data traffic and power supply
Status indication via Red/Yellow LED and Green LED
Analysis software windows 98/2000/XP/Vista/7

Specifications

Memory	32000 readings
Measuring rate	2sec. to 24h
Measurement Range	0.40 to 30.0m/s
Measurement Resolution	0.1m/s
Accuracy	±3.5% ± 0.2m/s
Warm up period	Less than 2 seconds

Size(HxWxD): 145mm x 35mm x 30mm **Weight:** 49g
Accessories : 3.6V Lithium battery, software and clamshell.

DT-185 Light Datalogger



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Features

Alarm setup and indication
Recording and low battery indication
Manual and automatic start mode
USB port for data transmission and power supply
Status indication via Red/Yellow LED and Green LED
Analysis software windows 98/2000/XP/Vista/7

Specifications

Memory	32000 readings
Measuring rate	2sec. to 24h
Measurement Range	0 to 40 kLux/0 to 37kFc.
Measurement Max. Resolution	0.1Lux/0.1Fc.
Accuracy	±5%
Warm up period	Less than 2 seconds

Size(HxWxD): 145mm x 35mm x 30mm **Weight:** 49g
Accessories : 3.6V Lithium battery, software and clamshell.

Model 185



DT-178A/178B

3-Axis Vibration Datalogger/ Temperature and Humidity Datalogger

Features

	178A	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	*	*

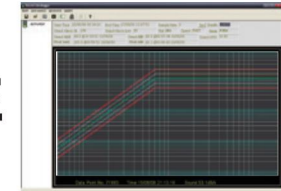
Specifications

	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 separately)	*	*

Accessories :

3.6V Lithium battery, software and clamshell.

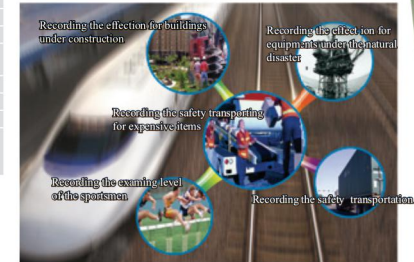
178A is engineered to record acceleration data of vibration, it will record and time 3-axis vibrations and peaks to provide a history of shock/vibration conditions, and it will record the time when freefall happens. It measures and computes real-time spectral data using an FFT(Fast Fourier Transform)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



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Model 178A



DT-3898 Vibration Meter

Applications for all industrial machinery vibration monitoring. The level of vibration is a useful guide to machine condition. Poor balance, misalignment & looseness of the structure will increase the vibration level, it is a sure sign that the maintenance is needed.

Features

Frequency range 10 Hz - 1 KHz, sensitivity relative meet ISO 2954.
Professional vibration meter supply with vibration sensor & magnetic base, full set.
Velocity measuring range 200 mm/s.
Acceleration measuring range 200 m/s².
RMS & Peak measurement.
Wide frequency range.
Data hold button to freeze the desired reading.
Memory function to record maximum and minimum reading with recall.
Super large LCD display.
Microcomputer circuit, high performance.
Auto shut off saves battery life & built-in low battery indicator.

Specifications

Range	Velocity :200 mm/s : 0.5 to 199.9 mm/s Acceleration :200 m/s ² : 0.5 to 199.9 m/s ²
Frequency range	10 Hz to 1 KHz
Accuracy	± (5% + 2 d) reading @80 Hz, 150 Hz.

Size(HxWxD): 160mm x 62mm x 21mm

Weight: 200g

Accessories : 9V battery.

Model 3898

