

Регистраторы данных температуры и влажности

DT-170/171/171Т/171С/171Е/171F,
DT-172, DT-172ТК, DT-174, DT-174В,
DT-178А, DT-178В

Технические характеристики

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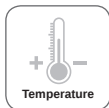
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You can monitor temperature and humidity values efficiently and conveniently for long time periods by using the Datalogger.

The readings are saved in the logger and simply read out by your PC with USB interface.



EMC

EN: 61326



Model 171



Model 171C



- Memory for 16000 (171) readings
- Temperature datalogger (170)
- 2000 Counts digital LCD display (171E)
- PDF report (171F)
- Freely selectable measurement cycle from 2sec. to 24h
- Battery life: more than 3 years
- Display all status information through two LEDs
- Download collected data through USB interface
- Alarm display if user-defined maximum/minimum values is exceed
- Analysis software used to view graph for logging data

Specifications

	170	171/171E/171C/171F	171T
Temp range	-40 to 70°C -40 to 158°F	-40 to 70°C -40 to 158°F	
Temp Accuracy	±1°C	±1°C	
Humidity range		0 to 100%RH	
Humidity Accuracy		±3.5%RH	
Temp K range			-200 to 1370°C(-328 to 2498°F)
Temp K Accuracy			±1°C
Memory	32000(16000 each for temperature and humidity)		
Measuring rate	2sec. to 24h		
Battery life	typically 3 years		
Analysis software	windows 98/2000/XP/Vista/7		

Accessories :

3.6V Lithium battery, K-Temp probe(171T), software and clamshell.

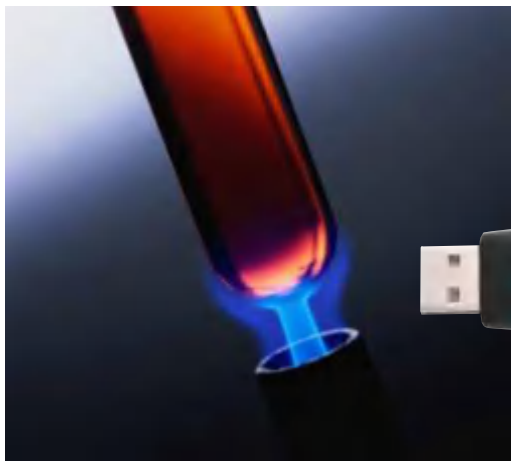
Size(HxWxD): 130mm x 30mm x 25mm

Weight: 20g

Model 171T



Model 171E

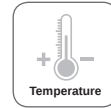




Model 172



Model 174



174 provides much faster, more accurate and stable readings with temperature, humidity & air pressure which is in better precision. The windtight design protects the meter against dust and water.

DT-174 Features

The datalogger provides accurate readings with temperature, humidity & air pressure .

For the three group data of Temperature, Humidity and Air Pressure, about 10900 readings of each can be recorded.

For one group, about 32,700 data can be recorded.

Freely selectable measurement cycle from 1 sec. to 24h.

Sound & light alarm indication if user-defined maximum/minimum values is exceed.

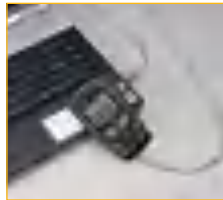
Larger LCD display date, time, temperature, humidity, air pressure and upper/lower limit value.

Specifications

	172	172TK	174
Temp range	-40 to 70°C -40 to 158°F	-40 to 70°C -40 to 158°F	40 to 70°C -40 to 158°F
Temp Accuracy	±1°C	±0.5°C	±1°C/1.8°F
Humidity range	0 to 100%RH	0 to 100%RH	0 to 100%RH
Humidity Accuracy	±3.5%RH	±3.5%RH	
Temp K range		-200 to 1370°C(-328 to 2498°F)	
Temp K Accuracy		Above -100°C (-148°F): 0.15%rgd+1.0°C(1.8°F) Blow -100°C (-148°F): 0.5%rgd+2.0°C(3.6°F)	
Dew Point Temperature			-40 to 70°C (-40 to 158°F); Accuracy ±2°C/4°F
Air Pressure			0-30PSI/0-2000hPa; Accuracy 0.01PSI/1hPa
Memory	32000(16000 each for temperature and humidity)		
Measuring rate	1sec. to 24h		
Battery life	typically 3 years		
Analysis software	windows 98/2000/XP/Vista/7		



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Accessories :

3.6V Lithium battery, K-Temp probe(172TK), software and clamshell. (DT-172/172TK)

3.6V Lithium battery, software and clamshell.(DT-174)

Size(HxWxD):94mm x 50mm x 32mm

Weight: 91g (DT-172/172TK)

Size(HxWxD):132mm x 66mm x 37mm

Weight: 180g (DT-174)

DT-174B

Temperature/Humidity & Air Pressure Datalogger



Model 174B



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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

Specifications

Data Memory	10000	
Sampling rate	1 min to 18 hours	
Data output	USB	
Temperature		
Range	-40~70°C/-40~158°F	
Resolution	0.1°C/0.1°F	
Accuracy	40 to 70°C/104 to 158°F	±2°C/3.6°F
	0 to 40°C/32 to 104°F	±1°C/1.8°F
	-40 to 0°C/-40 to 32°F	±2°C/3.6°F
Humidity		
Range	0~100%RH	
Resolution	0.1%RH	
Accuracy	0 to 20 and 80 to 100%	±5%
	20 to 40 and 60 to 80%	±3.5%
	40 to 60%	±3.5%
Air Pressure		
Range	950~1050hPa	
Resolution	0.1hPa	
Accuracy	±0.25%FSO(25 °C)	
Repeatability	±0.2%(Max ±0.3%FSO)	
Linearity/Hysteresis	±0.24%FSO	
Temperature coefficient	±0.1%FSO	

Size(HxWxD): 145mm x 35mm x 30mm Weight: 49g

Accessories : 3.6V Lithium battery, software and clamshell.





Model 178A

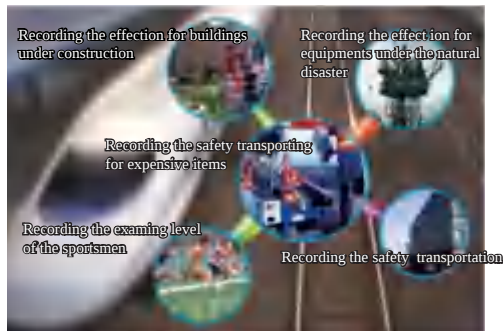


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178A is engineered to record acceleration data of vibration, it will record and time 3-axis vibrations and peaks to provide a history of shock/vibration conditions. and it will record the time when freefall happens.

It measures and computes real-time spectral data using an FFT(Fast Fourier Transform) from 0 to 60 Hertz.

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 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 seperately)	*	*

Accessories :

3.6V Lithium battery, software and clamshell.



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