CEM

DT-174B

TEMPERATURE, HUMIDITY AND AIR PRESSURE DATA LOGGER

This Weather Data-logger is designed for measuring temperature; humidity and air pressure in our living environment and helps you to do the work better. It is applied to monitor the Temperature, Humidity and Air Pressure of Greenhouse, Warehouse, Aircraft Cabins, Museums, etc.

FEATURES

- Alarm setup and indication
- Recording and low battery indication
- Manual and automatic start mode
- USB port for data transfer and power supply
- Status indication via Red/Yellow LED and Green LED
- Sea level equivalent calculations for air pressure

SPECIFICATIONS

General Specifications

Resolution	:	0.1%RH. / 0.1°C / 0.1hPA
Data Memory	:	10000
Sampling Rate	:	1 minute to 18 hours
Data Output	:	USB data traffic
Recording Indication	:	Green LED Flash
Memory Full Indication	:	Yellow LED Flash
Analysis Software	:	2000 / XP / Vista
Power Supply	:	One 3.6V Battery
Specs	:	14250 or 1/2AAA

Humidity & Temperature Specifications

Measurement

Temperature	:	-40 ~ 70°C / -40 ~ 158°F	
Humidity Range	:	0 ~ 100%RH	
Accuracy			
Temperature	:	40 to 70°C	±2°C
		0 to 40°C	±1°C
		-40 to 0°C	±2°C
Humidity	:	0 to 20 and 80 to 100%	±5%
		20 to 40 and 60 to 80%	±3.5%
		40 to 60%	±3.5%

Air Pressure Specifications

Range	:	700 ~ 100hPa	
Accuracy	:	50 to 70°C	±4.0hPa
		0 to 50°C	±2.5hPa
		-40 to 0°C	±4.0hPa
Repeatability	:	±0.2% (Max ± 0.3% FSO)	
Linearity / Hysteresis	:	±0.24% FSO	
Temperature Coefficient	:	±0.1% FSO	

Note :
FSO : Full Scale Output
1 psi = 68.947 mbar = 0.068947 bar
1 psi = 6894.7 pa = 68.947 hpa = 6.8947 kPa

INCLUDED ACCESSORIES

Tripod Stand, Instruction Manual, Battery, Test Report