



Features

Data Logging & Storage

- Monitor with real-time data logger.
- Saves measuring data along with time information (Year, Month, Date, Minute, Second) into SD memory card.
- Data can be downloaded directly to Excel; no extra software required.
- User can perform further data and graphical analysis independently.
- SD card capacity: 1 GB to 16 GB.

Multi-Parameter Measurement

- Displays Humidity, Temperature and Barometer values simultaneously on the same LCD.
- Professional barometer with selectable units:
 - hPa
 - mmHg
 - inHg

Humidity Measurement

- Uses precision capacitance type humidity sensor.
- High accuracy humidity measurement.
- 0.1% RH resolution for humidity readings.

Temperature Measurement

- 0.1° resolution for temperature readings.

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.



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Display & User Interface

- Large LCD display for easy readout.
- LCD size: 60 mm × 50 mm.
- Update time of display: Approx. 1 second when measuring data changes.

Connectivity

- RS232 / USB computer interface.

Power Supply

- Low power consumption and long battery life.
- DC 1.5V (AAA) battery × 6 pcs.
- DC 9V adapter input.
- AC/DC power adapter optional.

Reliability

- Microcomputer circuit with high reliability.
- Patented design.

Technical Details

Circuit

- Custom one-chip microprocessor LSI circuit.

Display

- LCD display.
- Size: 60 mm × 50 mm.

Measurement Functions

- Humidity
- Temperature
- Barometer

Memory Card

- SD Memory Card: 1 GB to 16 GB.

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Datalogger Sampling Time**Save Mode 1**

- 60 seconds

Save Mode 2

- 30 seconds

Save Mode 3

- 5 seconds

AC Power Mode

- 5 seconds

Advanced Settings

- Set clock time (Year/Month/Date, Hour/Minute/Second).
- Decimal point setting of SD card.
- Select temperature unit (°C or °F).
- Set sampling time mode (power consumption mode).
- SD memory card format.
- Select save mode type.

Data Output

- RS232 / USB PC computer interface.

Environmental Conditions**Operating Temperature**

- 0 to 50°C (32°F to 122°F)

Storage Temperature

- -20 to 50°C (-4°F to 122°F)

Operating Humidity

- Less than 85% RH

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Power Supply

- Alkaline or heavy-duty DC 1.5V AAA battery × 6 pcs.
- DC 9V adapter input.
- AC/DC power adapter optional.

Measurement Specifications

Humidity

Parameter	Specification
Range	10% to 95% RH
Resolution	0.1% RH
Accuracy (>70% RH)	± (3% Reading + 1% RH)
Accuracy (<70% RH)	± 3% RH

Temperature

Parameter	Specification
Range	0°C to 50°C (32°F to 122°F)
Resolution	0.1°
Accuracy	±0.8°C, ±1.5°F

Barometer

Unit	Measurement Range	Resolution	Accuracy
hPa	1000 to 1100 hPa	0.1 hPa	±1.5 hPa
mmHg	7.5 to 825.0 mmHg	0.1 mmHg	±1.2 mmHg
inHg	0.29 to 32.48 inHg	0.01 inHg	±0.05 inHg

Applications

- Atmospheric pressure monitoring.
- Environmental monitoring laboratories.
- Weather observation stations.
- HVAC and building monitoring systems.
- Educational and research laboratories.
- Industrial process monitoring and data logging.

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