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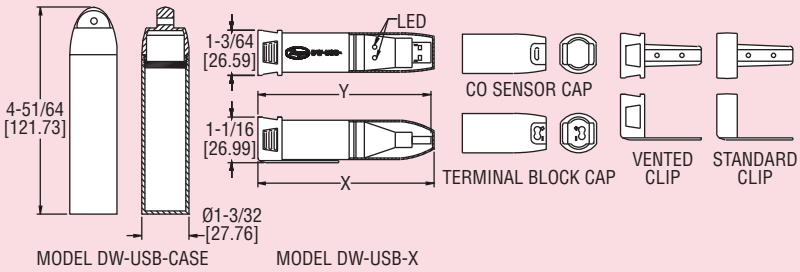
Series DW-USB Compact USB Data Logger

Measure Temperature, Humidity, Dew Point, Current, Voltage, or Carbon Monoxide



Model	Overall Length (X)	Overall Length (Y)	Body/Clip	Cap	LED
DW-USB-1	3-55/64″	3-55/64″	Standard	Standard	Clear/Red
DW-USB-2	4-1/16″	4-1/16″	Vented	Standard	Clear/Clear
DW-USB-3	4-27/64″	4-27/64″	Standard	Black Tip Term Block	Red/Green
DW-USB-4	4-27/64″	4-27/64″	Standard	Blue Tip Term Block	Red/Green
DW-USB-5	4-59/64″	4-59/64″	Vented	Red Tip Term Block	Red/Green
DW-USB-6	4-21/32	4-21/32	Standard	Standard	Red/Green

The compact design of the DW-USB Series data loggers allows the user to monitor temperature, humidity, dew point, voltage, current, or carbon monoxide almost anywhere. The user can select the sampling rate, start time, high/low alarm settings, and temperature unit parameters with easy to install Windows®-based application. Stored data is downloaded by simply plugging the module into a PC's USB port with no cable required. Alarm status and low battery is indicated via built-in flashing LED's. When the protective cap is fitted, the data logger resists moisture to IP67 standards. These features make the data logger ideal for calibration labs, pharmaceutical plants, environmental chambers, and storage warehouses.

Model	Input Type
DW-USB-1	Temperature
DW-USB-2	Temperature/Humidity/Dew Point
DW-USB-3	Voltage
DW-USB-4	Current
DW-USB-5	Thermocouple
DW-USB-6	Carbon Monoxide

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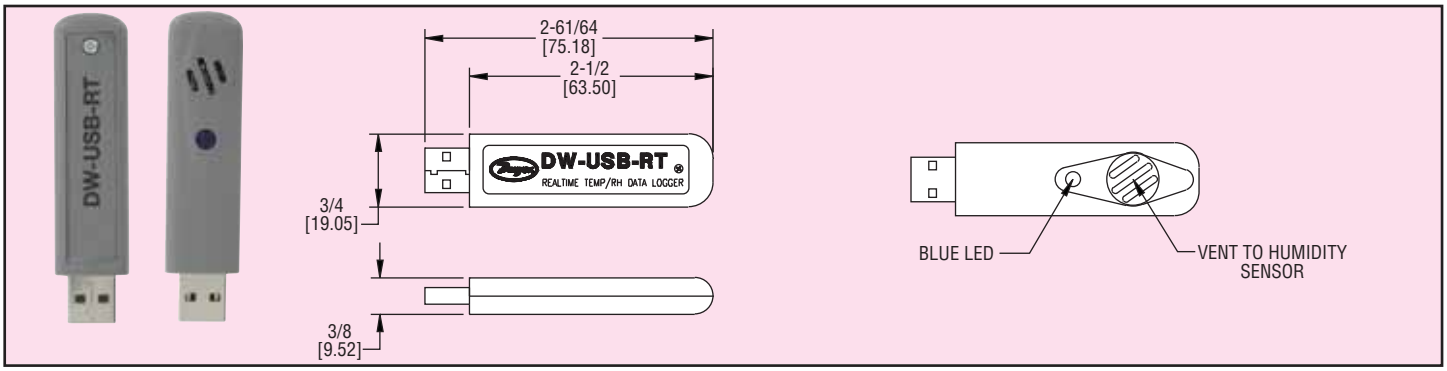
SPECIFICATIONS
Temperature Sensor: Range: -31 to 176°F (-35 to 80°C); Accuracy: ±2°F (±1°C); Resolution: 1°F (0.5°C).
Temperature/Humidity/Dew Point Sensor: Range: -31 to 176°F (-35 to 80°C), 0 to 100% RH; Accuracy: ±2°F (±1°C), 3.5%RH; Resolution: 1°F (0.5°C), 1%RH.
Voltage Sensor: Range: 0 to 30 VDC; Accuracy: ±1%; Resolution: 50 mVDC.
Current Sensor: Range: 4 to 20 mA; Accuracy: ±1%; Resolution: 0.05 mA.
Thermocouple Sensor: Range: J-type: -202 to 1652°F (-130 to 900°C); K-type: -328 to 2372°F (-200 to 1300°C); T-type: -328 to 662°F (-200 to 350°C); Accuracy: ±1.5°F (±1°C); Resolution: 0.9°F (0.5°C).
Carbon Monoxide Sensor: Range: 0 to 1000 ppm; Accuracy: ±6%; Resolution: 0.5 ppm.
Memory Size: 16,382 temperature; 16,382 each temperature and RH; 32,764 readings for voltage, current, and thermocouple; and 32,510 for carbon monoxide.
Sampling Mode: Stop on memory full.
Sampling Rate: Selectable from 10 sec to 12 hrs (DW-USB-1, DW-USB-2), 1 sec to 12 hrs (DW-USB-3, DW-USB-4, DW-USB-5) and 10 sec to 5 min (DW-USB-6).
Computer Requirements: Window® 98, Window® 2000, Window® XP, Window NT® or Window Vista® 32-bit operating systems.
Power Requirements: 3.6V lithium battery.
Housing: ABS plastic blend.
Alarms: Programmable high/low.
Interface: USB Port.
Weight: 1.5 oz (43 g).
Agency Approvals: CE.

Model DW-USB-RT Real-time USB Data Logger

Powered from USB Port, Compact



The DW-USB-RT Real-time USB Data Logger allows users to monitor temperature, humidity, and dew-point through the USB port of their PC. Real-time and recorded readings are displayed within the included Windows®-based application and can be exported to Excel® spreadsheet software. The DW-USB-RT can be configured to send e-mail notifications should a user-defined alarm condition be met.

Model DW-USB-RT Real-time USB Data Logger

SPECIFICATIONS
Range: Temperature: -4 to 158°F (-20 to 70°C); Humidity: 0 to 100%RH.
Memory Size: 32,764 readings.
Accuracy: Temperature: ±3°F (±1.5°C); Humidity: 4.5%RH.
Resolution: Temperature: 0.1°F (0.1°C); Humidity: 1%RH.
Sampling Mode: Continuous recording.
Sampling Rate: 1 sec.
Computer Requirements: Windows® 98, Windows® 2000, Windows® XP, Windows NT® or Windows Vista® 32-bit operating systems.
Power Requirements: Powered from USB port.
Housing: ABS plastic blend.
Alarms: Programmable high/low e-mail alerts.
Interface: USB port.
Weight: 0.08 oz (23 g).
Agency Approvals: CE, RoHS.

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