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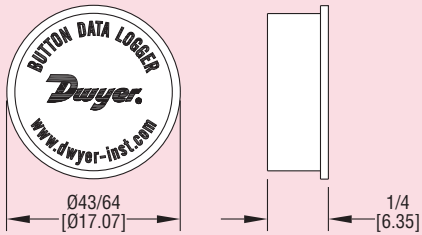
Series BDL

Button Data Logger

Self-Powered, Compact Size, USB Interface



The Series BDL Button Data Logger records temperatures and humidity in applications where size and cost effectiveness are key. The BDL is housed in a stainless steel case and is water resistant, making it durable in hostile environments where excessive moisture is present. The BDL is self-powered and features a USB interface. Sample rate and high/low alarms are user selectable through the Windows®-based application. The included software displays downloaded data graphically with trace and zoom functions. The logger is very small which enables it to be inserted into small items and packages. The Series BDL-K Logger Kit includes 2 buttons, 2 magnets, an interface cable, and a plastic button holder.

Model	Input Type	Kit
BDL-1	Temperature	No
BDL-2	Temperature/Humidity	No
BDL-K1	Temperature	Yes
BDL-K2	Temperature/Humidity	Yes

ACCESSORIES

DL500-LITE, Lite Version Windows® Operating System Software*
DL500, Full Version Windows® Operating System Software Key**
BDL-SIL, Weatherproof Silicone Housing (5 pk)
BDL-WALL, Wall Mounting Bracket (5 pk)
BDL-CLIP, Plastic Button Holder (5 pk)

* Free download from website
** Must also have lite version

SPECIFICATIONS

Range: BDL-1: -40 to 185°F (-40 to 85°C); BDL-2: -4 to 185°F (-20 to 85°C), 0 to 100% RH.
Memory Size: BDL-1: 2048 readings; BDL-2: 4096 temperature and 4096 humidity readings (low resolution), 2048 temperature and 2048 humidity readings (high resolution).
Accuracy: BDL-1: ±1.5°F (±1°C) from -22 to 158°F (-30 to 70°C); BDL-2: ±0.9°F (±0.5°C) from 14 to 158°F (-10 to 70°C), ±5% RH.
Resolution: BDL-1: 8 bit; BDL-2: 8 or 11 bit.
Sampling Method: Stop on memory full or continuous recording.
Sampling Rate: BDL-1: Selectable from 1 to 255 min; BDL-2: Selectable from 1 sec to 24 hrs.
Computer Requirements: Windows® 98, Windows® 2000, Windows® ME, Windows NT®, Windows® XP, and Windows Vista® operating system with 16 MB RAM, one free USB port.
Power Requirements: Internal, non-replaceable 3.0V lithium battery.
Battery Life: BDL-1: 10 years (approx); BDL-2: 5 years (approx).
Alarms: Programmable high/low.
Interface: USB port (cable included).
Housing Material: 305 SS.
Weight: 0.14 oz (4 g).
Agency Approvals: CE, RoHS.

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