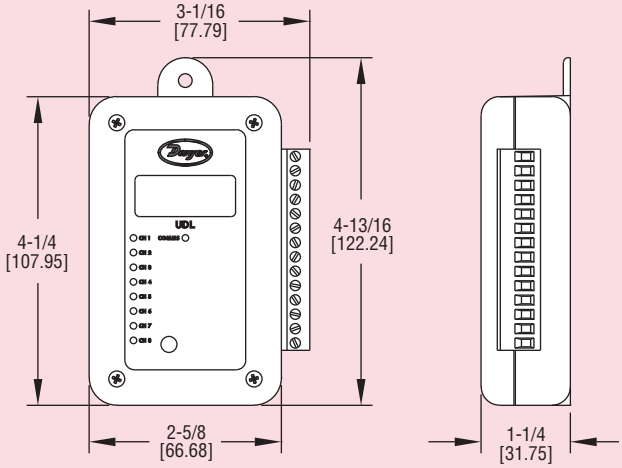
Series UDL

Universal Input Data Logger

Internal Temperature Sensor, Optional Internal Humidity Sensor and Display, Universal Inputs





The Series UDL Universal Input Data Loggers are available with 0, 2, or 4 universal inputs. Each universal input can be individually configured to accept a thermocouple, RTD, thermistor, voltage, or current input. All Series UDL data loggers have an internal temperature sensor and a digital input which can be used as a trigger to start logging or as a pulse counter for interfacing with flowmeters or other sensors with a pulse output. Optional features include an internal humidity sensor, an LCD display, and an external humidity and temperature sensor. The Series UDL loggers interface to the USB port of a PC. The unit includes software, USB connection cable and installed battery.

Model	Sensors Included
UDL-000	Internal temperature sensor
UDL-100	Internal temperature sensor w/ display
UDL-010	Internal temperature/RH sensor
UDL-110	Internal temperature/RH sensor w/ display
UDL-002	Internal temperature sensor, 2 universal inputs
UDL-102	Internal temperature sensor, 2 universal inputs w/ display
UDL-012	Internal temperature sensor/RH, 2 universal inputs
UDL-112	Internal temperature sensor/RH, 2 universal inputs w/ display
UDL-004	Internal temperature sensor, 4 universal inputs
UDL-104	Internal temperature sensor, 4 universal inputs w/ display
UDL-014	Internal temperature sensor/RH, 4 universal inputs
UDL-114	Internal temperature sensor/RH, 4 universal inputs w/ display

SPECIFICATIONS

Inputs: RTD, thermocouple, thermistor, current, voltage, slidewire.

Range: Internal temperature: -22 to 158°F (-30 to 70°C); Internal RH: 0 to 100%; External temperature: -22 to 158°F (-30 to 70°C); External RH: 0 to 100%.

Accuracy: Internal temperature: ±1°F (± 0.5°C); External temperature: ±1°F (±0.5°C) over 30 to 122°F (0 to 50°C), ±2°F (±1°C) over -30 to 32°F (-30 to 0°C) and 122 to 158°F (50 to 70°C); Internal/external RH: ±2.0% RH over 10%-90%, ±4.0% RH over 0-10% and 90-100% RH.

Memory Size: 0 or 2 universal inputs: 62,000 readings; 4 universal inputs: 128,000 readings.

Resolution: All universal inputs: 16 Bit; Internal & external temperature: 12 Bit; Internal & external RH: 8 Bit.

Sampling Method: Stop when full or continuous logging (wrap when full).

Sampling Rate: Selectable from 1 second to 24 hours.

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: 3.6 VDC lithium AA.

Battery Life: 6 years (approx.).

Alarms: Programmable high/low.

Interface: USB port (cable included).

Housing Material: ABS plastic.

Weight: 5.8 oz (165 g).

Agency Approval: CE, RoHS.

ACCESSORIES

DL500-LITE*, Lite Version Windows® Operating System Software
DL500,** Full Version Windows® Operating System Software Key
UDL-RH, Remote Humidity Probe
UDL-PS, Power Supply
* Free download from website
** Need lite version also

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