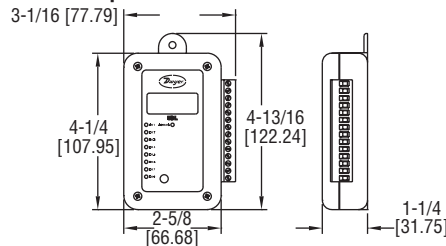


# UNIVERSAL INPUT DATA LOGGER

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



The **SERIES UDL** Universal Input Data Logger is available with 0, 2, or 4 universal inputs, each of which be 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 that 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. The unit includes software, USB connection cable, and installed battery.

### FEATURES/BENEFITS

- Available with 0, 2, or 4 universal inputs
- Utilizes USB port of PC as its interface
- Humidity sensor and LCD available as optional features

### APPLICATIONS

- Logs process values from pressure, flow, humidity, temperature, voltage, or current transmitters

MODEL CHART	
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% to 90%, ±4.0% RH over 0 to 10% and 90 to 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 s 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:** 3.6 V AA lithium metal battery, installed functional, user replaceable.

**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 Approvals:** CE.

### ACCESSORIES

Model	Description
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