

# USB Data Logger



## UDL100

UDL100 devices are devices that enable various analog signals used in industrial environments to be converted into digital values and transferred to the computer environment. These devices are used by configuring from a computer via USB.

### Device Features

Thermocouple, mA, mV, Volt Input Options  
 5 pcs Isolated Analog Input Channel  
 400 V Isolation Between Channels  
 750ms Sampling Period  
 High Resolution and Accuracy  
 Internal Cold End Compensation

USB 1.1 and 2.0 Compatible PC Connection  
 USB Supply Via Line  
 MODBUS RTU Communication Protocol  
 Input/Line between 3 KV Isolation  
 Handy and Portable Design

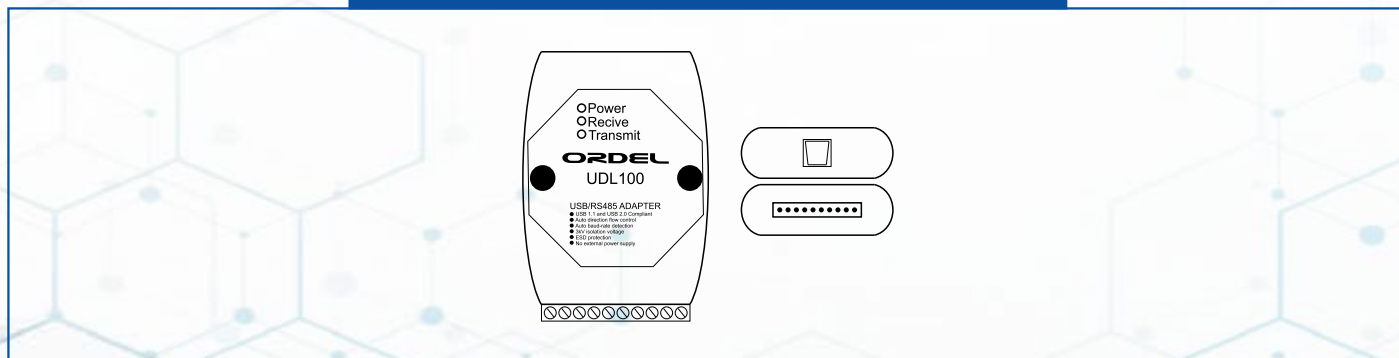
With Free DALI08 Monitoring and Recording Program  
 Automatic Device Recognition  
 Support for up to 255 Devices  
 Unlimited Recording Capacity  
 Excel, Access, Text, HTML and PDF reporting format  
 Optional Graphical Identification and Creation  
 Easy to install and Use

The Dali08 software, which enables the configuration and recording of the values taken from the device on the computer, is provided free of charge with the device. All inputs are isolated from the USB line and from each other.

### Input Types

Sensor Type	Standard	Min.	Max.
Type-T ( Cu-Const )	IEC60584	-200 °C	300 °C
Type-U ( Cu-Const )	IEC60584	-200 °C	600 °C
Type-J ( Fe-Const )	IEC60584	-200 °C	800 °C
Type-L ( Fe-Const )	IEC60584	-200 °C	900 °C
Type-K ( NiCr-Ni )	IEC60584	-200 °C	1200 °C
Type-E ( Cr-Const )	IEC60584	-200 °C	1200 °C
Type-N ( Nicrosil-Nisil )	IEC60584	0 °C	1200 °C
Type-S ( Pt%10Rh-Pt )	IEC60584	0 °C	1500 °C
Type-R ( Pt%13Rh-Pt )	IEC60584	0 °C	1600 °C
Type-B ( Pt%18Rh-Pt )	IEC60584	0 °C	1800 °C
0 / 4-20 mA		0 mA	20 mA
0 / 2-10 VDC		0 VDC	10 VDC

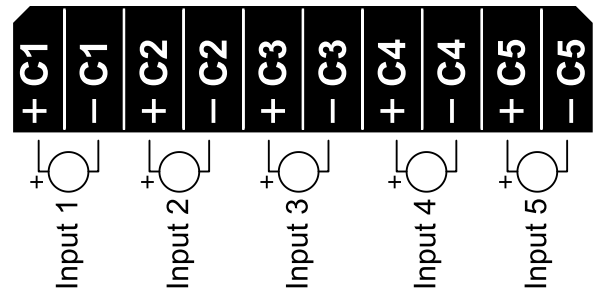
### Device Dimensions



## Technical Specifications

Power Supply ( PS )	Via USB ( 5Vdc, +/-5%)
Power Consumption	1W
Analog Input Impedance	Thermocouple, mV = 10MΩ Current = 10Ω Voltage = 2MΩ
Memory	100 Years, 100.000 Renewals
Accuracy	+/- 0,2%
Sampling Time	750 ms
Environment Temperature	Working = -10...+55°C Storage = -20...+65°C
Dimensions	Width = 72 mm Height = 112 mm Depth = 26 mm
Weight	87 gr

## Modular Structure and Connection Diagram



## Product Code

UDL100 -

Analog Input Types :

- 2 = -75...+75 mV
- 3 = -15...+15 V
- 4 = -30...+30 mA
- 5 = Thermocouple ( B,E,J,K,L,N,R,S,T,U )

PS