

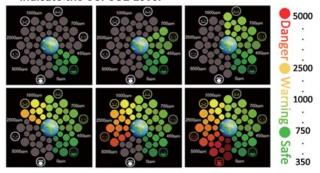
Introduction

The DL-300 series of Data Logger devices can be used to record CO, CO2, Temperature, Humidity and Dew Point information, including date and time stamps, and are able to store up to 450,000 downloadable records.

Real-time data can be accessed from the DL-300 Data Logger from anywhere and at any time using the free Windows software, the iOS App or the Android App, as long as they are connected to the same local network as the Data Logger.

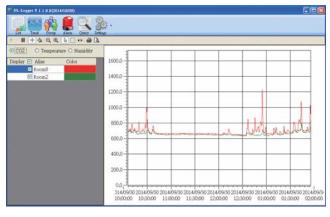
Support is provided for popular industrial protocols such as DCON, Modbus RTU, and Modbus TCP, as well as the emerging machine-to-machine (M2M)//IoT (Internet of Things) connectivity protocol – MQTT. The DL-300 Data Logger can be connected via widely used communication interfaces including RS-485, Ethernet and PoE, meaning that the device can be easily integrated into existing HMI or SCADA systems, and is easy to be maintained in a distributed control system.

Large 2.8" LCD Touch Screen, with clear Color Chart to indicate the CO/CO2 Level

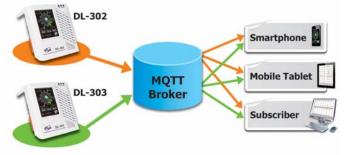


Free and Power DL300 Utility Software

The DL300 Utility can be used to configure the modules, monitor real-time data, group DL-300 modules so that the status of distribution groups can be viewed and managed. The utility also allows the log data to be downloaded and exported to a .CSV file that can then be imported into any industry-standard software or spread sheet for analysis.



Supports the MQTT Protocol for IoT Applications



Multi-platform Remote Access Software

Real-time data from the DL-300 Data Logger can be accessed from anywhere and at any time using the DL300 Utility, the iOS or Android App, or via a regular web browser, as long as they are connected to the same local network as the Data Logger.



Display Messages in Multiple Languages

The display-message-on-screen function supports multiple language character sets based on UTF-8 encoding. Either pre-configured messages or dynamic messages can be remotely displayed using Modbus commands, or a dynamic message can be sent via the web-based interface.

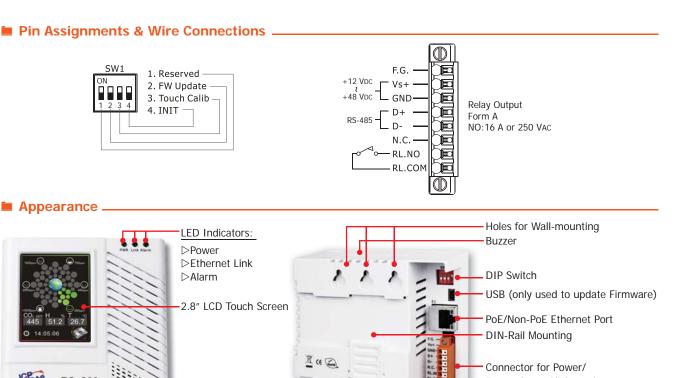




Specifications .

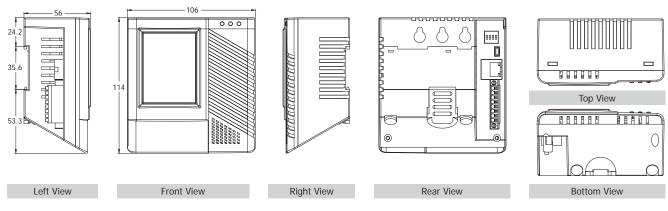
Model		DL-301	DL-302	DL-303	
CO Measurement					
Range		0 to 1000 ppm (Electrochemical)	-	0 to 1000 ppm (Electrochemical)	
Resolution		1 ppm	-	1 ppm	
Accuracy		±5% of measured value	-	±5% of measured value	
Response Time		30 seconds	-	30 seconds	
Warm-up Time		60 seconds	-	60 seconds	
CO2 Measurement		L	L		
Range		-	0 to 9999 p	opm (NDIR)	
Resolution		- 1 ppm			
Accuracy		- ±30 ppm ±3% of measured value			
Response Time			20 sec		
Warm-up Time			60 sec		
Temperature Measu	rement				
Range			-10 to +50°C		
Resolution		0.1°C			
Accuracy		±0.6°C			
Relative Humidity M	leasureme	nt	±0.0 0		
-			0 to 100% RH, Non-condensing		
Range					
Resolution Accuracy		0.1% RH, Non-condensing ±5% RH, Non-condensing			
Dew Point			±5 % KH, Non-condensing		
		Calci	lated using temperature and relative hun	aidity	
Range		Calculated using temperature and relative humidity 0.1°C			
Resolution			0.1 C		
System CO Alarm		Yes		Yes	
		105	Yes	Yes	
CO2 Alarm		-		165	
Real-time Clock		Yes			
Data Logger		Yes, 450,000 Records Form A×1, SPST			
Relay Output		30 VDC @ 16 A or 250 VAC @ 16 A			
Interface		RS-485/Ethernet/PoE			
Main Machine Interf	face				
LCD		2.8 TFT (Resolution 240 x 320 x 16), Defective Pixels <= 3			
Backlight Life		20,000 hours			
Brightness		160 cd/m2			
Touch Panel		Yes			
Electrical					
Powered from Terminal	I Block	+12 to +48 VDC			
Powered from PoE		IEEE 802.3af, Class 1 (48 V)			
	PoE	1.84 W (Max.)	2.65 W (Max.)	2.83 W (Max.)	
Power Consumption	Non-PoE	1.74 W (Max.)	2.14 W (Max.)	2.24 W (Max.)	
Mechanical					
Dimensions (L x W x H)		114 mm x 106 mm x 56 mm			
Installation		Desktop, DIN-Rail or Wall Mounting			
Environment		<u> </u>			
Operating Temperature		0 to +50°C			
Storage Temperature		-30 to +75°C			
Humidity		10 to 90% RH, Non-condensing			
Humidity		IU to 90% кн, Non-condensing			







Dimensions (Units: mm)



Ordering Information _

DL-301 CR	Remote CO/Temperature/Humidity/Dew Point Data Logger with Safety Alarm (RoHS)	
DL-302 CR	Remote CO2/Temperature/Humidity/Dew Point Data Logger with Safety Alarm (RoHS)	
DL-303 CR Remote CO/CO2/Temperature/Humidity/Dew Point Data Logger with Safety Alarm (RoHS)		

Accessories _____

a second	NS-205 CR	Unmanaged 5-port Industrial Ethernet Switch. 24 VDC Input (RoHS)
iQ tal	NS-205PSE CR	Unmanaged Ethernet switch with 4-PoE and 1 RJ45 uplink connectors. 48 VDC Input (RoHS)
<u>, 91000</u>	NS-205PSE-24V CR	Unmanaged Ethernet switch with 4-PoE and 1 RJ45 uplink connectors. 24 VDc Input (RoHS)

MDR-20-24 CR	24V/1A, 24 W Power Supply with DIN- Rail Mounting (RoHS)
MDR-60-48 CR	48V/1.25A, 60 W Single Output Industrial DIN Rail Power Supply (RoHS)
tM-7561 CR	USB to Isolated RS-485 Converter (RoHS)