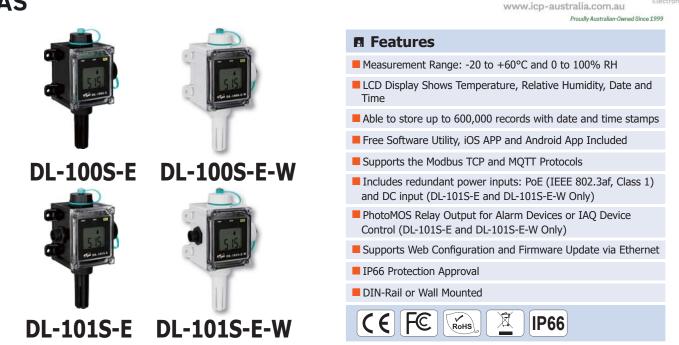
ICP Flectronics Australia Pty Ltd TEL: 02 9457 6011

sales@icp-australia.com.au



Introduction

The DL-100S-E / DL-101S-E series of Data Logger devices can be used to record temperature, humidity and dew point information, including the date and time stamps for each record, with up to 600,000 downloadable records to be stored. Real-time data can be accessed from the DL-100S-E / DL-101S-E Data Logger from anywhere and at any time using the free Windows software, the iOS App, or the Android App, as long as it is connected to the same local network as the Data Logger. The DL-100S-E / DL-101S-E Data Logger supports popular industrial protocols such as Modbus TCP, as well as the emerging machine-to-machine (M2M) / IoT (Internet of Things) connectivity protocol - MQTT. The DL-100S-E / DL-101S-E Data Logger can be connected using a range of communication interfaces including Ethernet and PoE, meaning that the device can be easily integrated into existing HMI or SCADA systems, ensuring easy maintenance in a distributed control system.

The IP66 version of DL-100S-E / DL-101S-E series is designed for industrial applications in harsh environments that provides IP66 grade protection approval. The rugged RJ-45 ensures tight, robust connections, and guarantees reliable operation, even for applications that are subject to high vibration and shock.

Multi-platform Remote Access Software

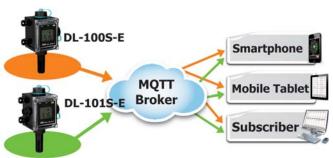
Real-time data from the DL-100 Data Logger can be accessed from anywhere and at any time using the DL300 Utility, the iOS or Android App, or via a regular web browser, as long as it is connected to the same local network as the Data Logger.

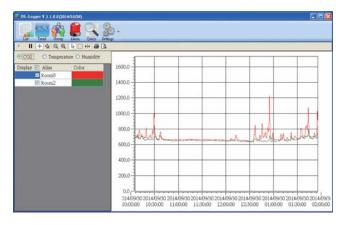


• Simple and powerful utility

The DL300 Utility can be used to configure the modules, monitor real-time data, or group DL-100 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





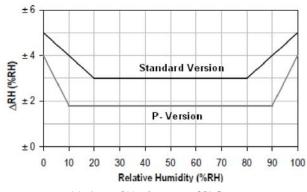
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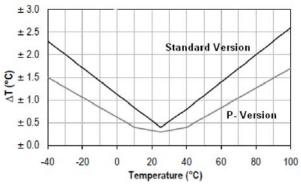
Proudly Australian-Owned Since 199

Specifications

Model		DL-100S-E	DL-100S-E-W	DL-101S-E	DL-101S-E-W		
Temperature	e Sensor		I	I			
Measuring Range		-20 to +60°C (-31 to +176°F)					
Resolution		0.1°C					
Accuracy		Typical: ±0.4°C					
Humidity Se	nsor						
Measuring Range		0 ~ 100% RH					
Resolution		0.1% RH					
Accuracy		±3% RH @ 20 ~ 80% RH					
LCD and LED) Display						
LCD Information Displayed		LCD Information Displayed Temperature (°C and °F), Relative Humidity, Date and Time					
PWR		System indicator (Green)					
Link		Link/Act indicator (Green)					
РоЕ		PoE indicator (Red)					
Communicat	tion						
Ethernet Port		10/100 Base-TX with Auto MDI/MDI-X					
PoE		Yes, (IEEE 802.3af, Class 1)					
Protocol		Modbus TCP, MQTT					
Security		Password and IP Filter					
Dual Watchdog		Yes, Module, Communication (Programmable)					
System							
Real-time Clock		Yes					
Data Logger		Yes, 600,000 Records					
PhotoMOS Relay Output			- Form A×2, SPST 100 VDC @ 1 A		7 100 VDC @ 1 A		
Electrical							
Powered from	Terminal Block		-	+12 to	+48 VDC		
Powered from PoE		IEEE 802.3af, Class 1 (48 V)					
Power	PoE	0.7 W	(Max.)	0.7 W	(Max.)		
Consumption	Non-PoE		-	0.6 W	(Max.)		
Mechanical							
Dimensions (W x L x H)		92 mm x 157	' mm x 56 mm	100 mm x 157	7 mm x 56 mm		
Waterproof Level		IP66					
Installation		DIN-Rail; Wall mounted					
Environment	t						
Operating Temperature		-20 to +60°C					
Storage Temperature		-30 to +80°C					
Ambient Relative Humidity		5 to 95% RH, Non-condensing					







Maximum T-tolerance per sensor.



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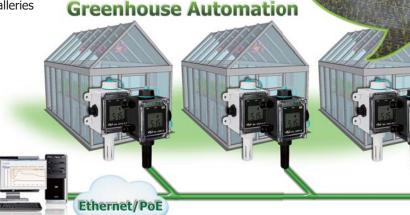
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Applications

- Transportation of food or pharmaceuticals
- Food and beverage industry (HACCP)
- Blood stations, pharmacies
- Building and energy management
- Museums, archives, galleries
- Warehouses

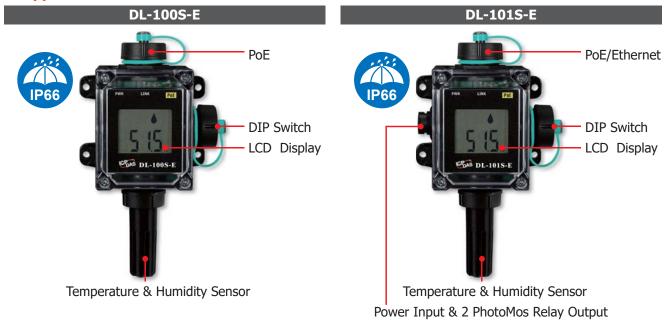






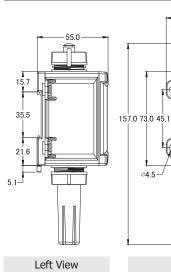


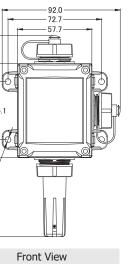
Appearance

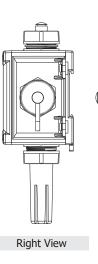




Dimensions (Units: mm)







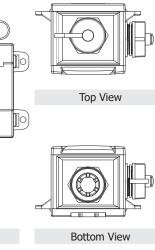
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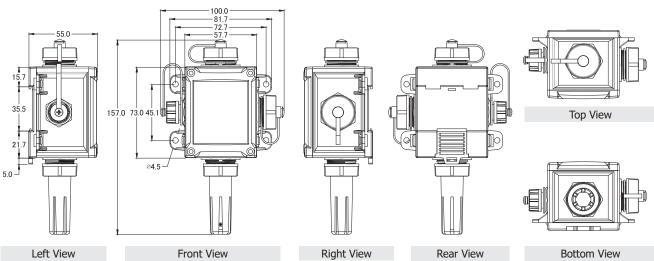
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Rear View

DL-100S-E



DL-101S-E



Left View

Front View

Rear View



Ordering Information

DL-100S-E CR	Remote Temperature and Humidity Data Logger with LCD Display (Black Cover) (RoHS)	
DL-101S-E CR	Remote Temperature and Humidity Data Logger with Safety Alarm (Black Cover) (RoHS)	
DL-100S-E-W CR	DL-100S-E-W (White Cover) (RoHS)	
DL-101S-E-W CR	DL-101S-E-W (White Cover) (RoHS)	

Accessories

Model	NS-205-IP67	NS-205PSE-IP67	NS-208PSE-IP67	NS-208-IP67		
		+46 × +53	+46 ~ +53			
PoE	-	802.3af x 4	802.3af x 8	_		
Input Voltage Range	+10 V _{DC} ~ +30 V _{DC} (1 kV Isolated)	+46 VDC ~ +53 VDC		+12 VDC ~ +53 VDC		
Installation	Installation Wall Mounted Wall Mounted		Wall Mounted			
Dimensions (W x L x H) (Units: mm)	85 x 76 x 137	85 x 76 x 137	190 x 155 x 104			
MDR-60-48	48 V/1.25 A, 60 W Power Supply with DIN-Rail Mounting					
DIN-KA52F-48	48 V/0.52 A, 25 W Power Supply with DIN-Rail Mounting					
DR-120-48	48 V/2.5 A,120 W Power Supply with DIN-Rail Mounting					



