

# 1 / 2 / 4 Channel Data Logger Thermometer

- Model: **DL305** (1 Channel)
- Model: **DL306** (2 Channels)
- Model: **DL309** (4 Channels)

- ✓ 4 Type K Thermocouple Inputs (DL-309)
- ✓ Displays 4 Channels simultaneously or 2 Channels with Delta (DL-309)
- ✓ Data Logger with 16,000 Records per channel RS232 Interface with Windows Software
- ✓ Real-Time Clock
- ✓ Auto Power Off
- ✓ HOLD Function
- ✓ MAX/MIN Function
- ✓ Resolution 0.1°C/0.1°F
- ✓ Low Battery Indication

### Specifications for (DL305 / DL306 / DL309)

Display: 3 1/2 Digit LCD  
 Range: -200 to 1370°C (-328 TO 2498°F)  
 Typical Accuracy: ±0.2% rdg + 1°C

Resolution: 0.1° between -200 and 200°C/F, else 1°C/F

Sample Rate: 3 seconds  
 Input Protection: 60VDC or 24Vrms AC maximum  
 Operating Conditions: 0 to 50°C (32 to 122°F)

0% to 80% RH (0 to 35°C, 32 to 95°F)  
 0% to 60% RH (35 to 50°C, 95 to 122°F)

Storage Temperature: -20°C TO 60°C (-4 to 140°F)

Battery: 9V, NEDA 1604, IEC 6F22, JIS 006P

Accessory: Manual, 9V Battery, Carrying Case, K/type bead sensor x 2, RS232 cable, Software

The DL305 / DL306 / DL309 is a small four-input thermometer plus a powerful data logger. The unit can store up to 16,000 records per channel at programmed intervals. The REC button is used to start and stop recording. The unit comes with Windows-based software (Windows 98, NT, XP, ME) for the display and saving of data.



# LCD Display Temperature/Humidity Data Logger 8828 / 8829

- ▶ Start/Stop logging by programmed scheduler or internal magnetic switch, or memory mode "Endless".
- ▶ Sample interval: prog. From 1sec. To 2 hours.
- ▶ User-defined Min./Max. Alarm setting.
- ▶ Data is retained in non-volatile memory, no loss when battery is low or has been removed.
- ▶ Temperature Sensor: Thermistor.
- ▶ Program by RS-232 serial port and PC software.
- ▶ Collect 16,000 Temperature data (8828) or Temp & Humidity data (8829)

- ▶ Ideal for applications monitoring ambient conditions in Application for Greenhouse, Warehouse, Food transport, Aircraft cabins, Art galleries, and Museums.

### Optional Accessories:

- 1) 8818P: RS232 Interface module with cable by serial port
- 2) 8824 : RS232 Interface module with USB cable

- ▶ Start/Stop logging by programmed scheduler or
- ▶ Temperature Range: -40~85°C (0~185°F)
- ▶ Resolution: 0.1°C
- ▶ Accuracy: -20~50°C±0.6°C ; -40~20°C / 51~85°C ± 1.2°C
- ▶ Battery Life: >1 year ER3(3.6V) Lithium batt2ery
- ▶ Case: ABS waterproof



8828



8829



# Infrared Sensor



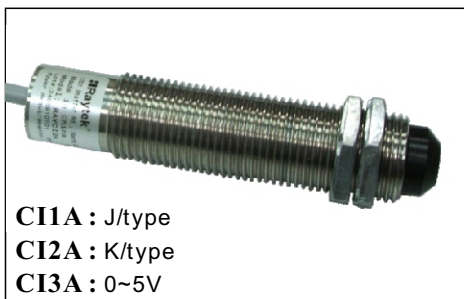
S10

Output Signal: 0 ~ 5V



S20

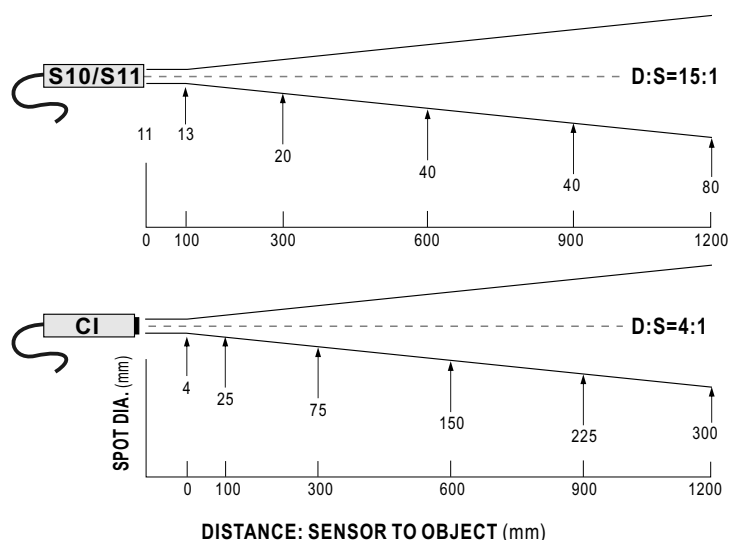
Output Signal: 4~20mA (2-wire)



CI1A : J/type  
 CI2A : K/type  
 CI3A : 0~5V

Model	S10	S20	CI1A	CI2A	CI3A
Signal Output	0~5V	4~20mA (2-wire)	J/type	K/type	0~5V
Temperature Range	0 ~ 500°C		0 ~ 350°C (32 ~ 662°F)		
Optical Resolution	D:S = 15:1		D:S = 4:1		
Temperature Resolution	0.1°C		<0.5°C or 1°F		
System Repeatability	±0.5% or ±1°C		±0.5% or ±1°C		
Spectral Range	8 ~ 14mm		7 ~ 18mm		
Response Time	300ms (95%)		350ms		
Emissivity	Fixed at 0.95		Fixed at 0.95		
Power Supply	24VDC		12~24VDC at 20mA(£2.5% ripple)		
Environmental Rating	IP65 (NEMA-4)		IP65 (NEMA-4)		
Ambient Temperature	0 ~ 60°C		0 ~ 70°C		
Relative Humidity	10 ~ 95% RH		10 ~ 95% RH		
Cable Length	1M (standard)		1M (standard)		
Dimensions	106mm x £20mm	52.5mm x £59mm	89mm x £18mm		
Weight	120g	200g	130g		

### Nominal Optical Specifications



D:S is the optical resolution expressed as a ratio of the distance to the resolution spot divided by the diameter of the spot.