# SunLog-080

## A powerful paperless data logger

## Technical Datasheet

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- Flexible.
- Very easy to use.
- Economical.
- Panel mounting / Table top models.

  USB connectivity.
- 8 / 16 / 24 /32/48 channels models.
- 10M / 100M Ethernet connectivity.
- Parallel port for Dot Matrix Printer.

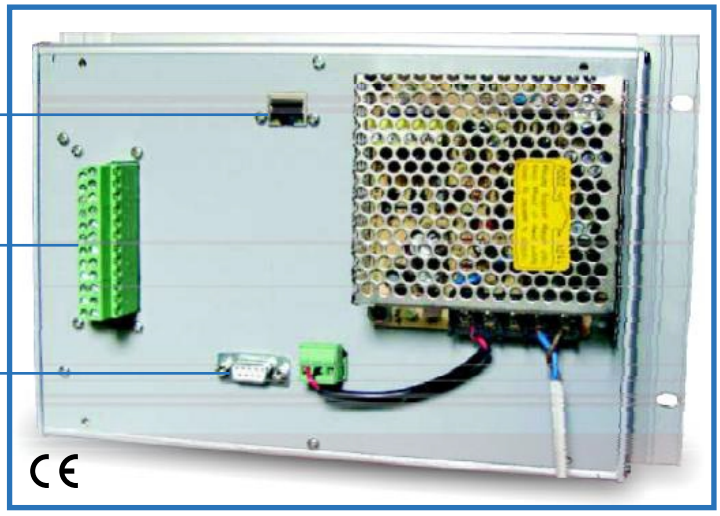

Paperless Data Logger

### Overview :

The SunLog-080 is versatile general purpose universal input data logger with 8, 16 up to 32 analog inputs channels to measure process input signals from temperature sensors , humidity sensors, 0 - 5 Vdc or 4 - 20 mA signals from pressure sensors. The logging is automatically triggered at pre-programmed time intervals. A variety of communication ports are included like RS-232 or RS-485 , USB 2.0 and 10/100M Ethernet port, Parallel or Printer port. This enables data transfer from logger to any external devices. It is a small, truly portable logger which also suitable for bench based or panel mounted installations. Easily programmed via the seven integral push buttons and large graphical TFT display and with basic accuracy of 0.1% FSD. The DL 080 is able to fulfil many routine data logging needs , including more demanding applications requiring up to 8 readings per second per 8 channel.

### Key Features :

Small truly portable data logger 8 to 32 universal analog inputs ( RTD, Thermocouples, 0-5Vdc, 0-20mA or 4-20mA signal inputs) Individual HI/LO Alarm set points shown with color toggling on display. Alarm relay outputs with optional DIN rail mounting relay module. Configured via large easy-to-read Multicolor 8.0 Inch Graphical TFT Display, Resolution 640x480 pixels. 0.1% accuracy. Non volatile storage up to 7000 readings per channel. Supplied with PC based Data acquisition software.



## ❑ Technical Specifications :

| | |
|---|---|
| **No. of analogue channels** | 8, 16, 24,32 & 48 inputs models |
| **Universal Input** | Yes |
| **Voltage ranges** | 0-5 Vdc Single ended. |
| **Current ranges.** | 0-20mA, 4-20mA. |
| **Thermocouple Ranges; Differential and Single Ended** | 0 to 1200oC - J type<br>0 to 1372oC - K type<br>0 to 1300oC - N type<br>0 to 1768oC - R type<br>0 to 1768oC - S type<br>0 to 400oC - T type |
| **Pt100/1000, 2-wire , 3-wire** | -200 to 300°C |
| **Internal reference temperature** | -50 to 150°C |
| **Alarm Outputs** | Alarming signals to Relay board (optional) via Rs232 serial port. |
| **A/D Resolution** | 12 bit successive approximation. |
| **Accuracy** | 0.1% FSD of range. |
| **Clock Resolution / Accuracy** | 1s/10ppm Normal mode- each input sampled at a maximum rate of 1 reading per second |
| **Historical trends** | Yes, on Display as well in PC software for programmed duration. |
| **Data Scaling** | Yes |
| **Data Statistics** | Yes from within Data acquisition PC software |
| **Memory Internal** | 25000 readings per channel (Depending on number channels) |
| **Display** | 7.5 inch multicolor TFT graphical display with CCFL / LED backlit. Resolution 640 X 480 pixels. (Available in 10 inch display option) |
| **Internal Battery for storage** | One 3V Lithium cell, easily replaceable. |
| **Battery life** | Up to 5 years. |
| **External Power required** | 24Vdc 2 Amp SMPS. |
| **Sensor Power Output** | 5V at 50mA |
| **Networking** | 10M / 100M Ethernet port, Device IP settable. |
| **USB Port** | USB 2.0 Host, can connect external pen drive. |
| **Serial Communication port** | RS-232 or RS-485 Factory setted. |
| **PC Setup** | Yes, with dedicated data acquisition software. |
| **Operating system** | -20 to 55°C |
| **Dimensions** | W-300 x H-195 x D-115 mm,Weight 0.7kg |
| **Panel cutout** | W-257 x H-175 mm. |
| **Certification** | CE Certified |



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SUNSUI PROCESS SYSTEM, INDIA
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