

DL 080

A powerful paperless data logger

- Flexible
- Very easy to use
- Economical
- Panel mounting / Table top models
- USB connectivity
- 8 / 16 / 24 /32 channels models
- 10M / 100M Ethernet connectivity
- Parallel port for Dot Matrix Printer

Overview

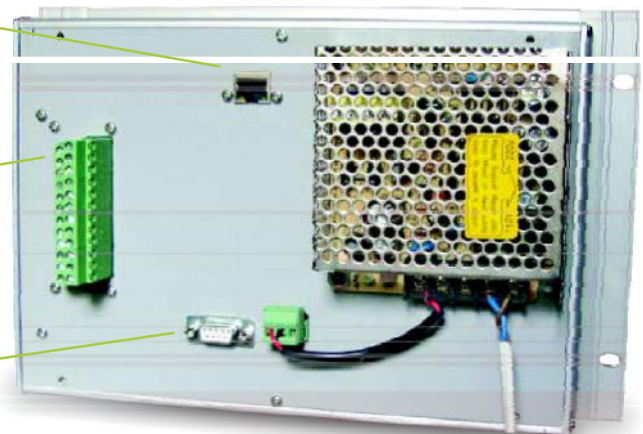
The DL 080 is versatile general purpose universal input data logger with 8, 16 up to 32 analog inputs channels to measure process input signals from temperature sensors, humidity sensors, 0 - 5 Vdc or 4 - 20 mA signals from pressure sensors. The logging is automatically triggered at pre-programmed time 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.

10M/100MEthernet connectivity for quick and easy PC and peripheral communication.

8 universal analog inputs for recording any process parameters.

RS-232 or RS-485 communication port.



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USB port for data storage on pen drive

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

DL 080 Technical specifications	
No. of analogue channels	8, 16, 24 & 32 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 1200°C - J type 0 to 1372°C - K type 0 to 1300°C - N type 0 to 1768°C - R type 0 to 1768°C - S type 0 to 400°C - 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	4 M bits (1 to 112000 readings)
Display	7.5 inch multicolor TFT graphical display with CCFL / LED backlit. Resolution 640 X 480 pixels.
Display	7 tactile push button keypad
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.
Front Panel setup	Via 7 integral keys. All essential functionality available via key pad e.g. RTC set Print time set, program input type, memory store, copy etc.
Stored setups	6
Operating temperature	-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.

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