

SL120 series

Data Loggers

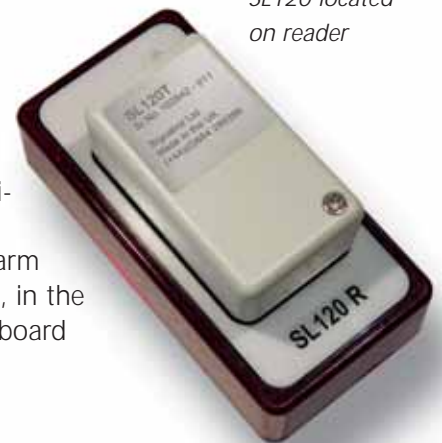
**VERSATILE
SINGLE-CHANNEL
COST-EFFECTIVENESS**



The SL120 series of data loggers are very small and compact in design - only 60mm long - and provide an accurate record of temperature or process signals, depending upon the model chosen.

Up to 16,000 records can be stored in the logger which uses the powerful TempIT software package running on a PC, to download the configuration and to retrieve the data. High and Low alarms can be set with a programmable time period for which the alarm limit must be exceeded before it is recognized as an alarm. Any alarm condition detected is clearly shown on the chart and, in the case of the SL121, is annunciated by flashing an on-board LED and audio 'bleeper'.

SL120 located on reader



Features

- Small yet robust
- Cost-effective temperature recording
- Security tie option
- Environment monitoring
- High accuracy and resolution (12-bit)
- IR transfer for fast download
- LED and audio alarm annunciation (SL121)
- Current and Voltage versions

Specification at 20°C

	SL121
Ambient Temperature Range	-40 to +70°C
Resolution	12-bit
Logging Interval	2 sec - 24 hours
Communications - Logger	Infrared link to reader
Communications - Reader	RS232 Port / USB (order as appropriate)
Owner Manifest	64 characters
User Manifest	450 characters
Battery Life	5 years typical @ 20°C
Protection	IP50
Material	High Impact light grey ABS
Enclosure	60 x 35 x 20mm, with key ring hole
Fixing	Mounting hole to take security tie
Max. number of readings	16,384 ¹
Download time	100 secs for 16k readings
Alarm Indication	Red/Green LEDs + audio bleep
Software Requirements	TempIT-Lite (Free Of Charge) or TempIT-Pro

¹ Programmable up to the maximum

Use the SL120 series to:


- Monitor goods in transit
- Perform checks on 4-20mA loops
- Check on ambient conditions in refrigerators and freezers
- Optimize temperature control in HVAC applications
- Record experimental data to use as teaching aids in schools and colleges
- Discreetly monitor working conditions

Sensors and Types

	121/T	121/TR	121/I	121/V
Sensor	Internal Thermistor	External Thermistor	Current	Voltage
Range	- 40 to +70 °C	- 40 to +125 °C or 60 to 250 °C depending upon probe used	0-22 mA	0-1V DC or 0-10 V DC
Response Time for 63%	5 Mins	6 Seconds	200 mSec	200 mSec
Accuracy	+/- 0.5 °C	+/- 0.5 °C	0.06% FS	0.06% FS
Over Voltage / Current Protection	N/A	N/A	Yes	Yes
Reverse Connection Protection	N/A	N/A	Yes	Yes

Order Codes

* Note: sensors are purchased separately.

SL12 

[] 

1 SL121 Logger with visible & audible alarms

T Internal Temperature
TR Remote Temperature Input
I 4-20mA Input
V1 0-1VDC Input
V10 0-10VDC Input

Readers

SL120R-RS232 IR Reader with RS232 cable
SL120R-USB IR Reader with USB cable

Accessories

ACC120-01 Remote temperature assembly for SL120TR
 4mm Dia x 75 mm stainless steel with 1 meter FEP Cable
 (Contact Sales for details of other available sensor configurations)
 Range – 40 to +125°C

ACC120-02 Same as ACC120-01 but range 60 to 250°C
ACC120-03 Spare 4-20mA or voltage connecting lead