

# Compact Data Logger

## DS6003



### 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

### Description:

The SL120 series of data loggers are very small and compact in design - only 60 mm 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 recognised as an alarm. Any alarm condition detected is clearly shown on the chart and, in the case of the SL121T, is annunciated by flashing an on-board LED and audio 'bleeper'.

### USES

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



### General Note

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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# Compact Data Logger

DS6003



SL120T	SL121T	
Ambient Temperature Range	-40 to 70°C	
Resolution	12 bit	
Logging Interval	2 sec to 24 hrs	
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	
Protection	Sealed to IP65 with encapsulated electronics	IP50
Material	Robust "key fob" type, light grey ABS	
Enclosure	60 x 35 x 20 mm with keyring hole	
Fixing	Mounting hole to take security tie	
Maximum number of readings	2,048	16,384* <sup>1</sup>
Download Time	20 sec	100 sec for 16K readings
Alarm Indication	None	Red/Green LEDs + audio bleep
Software Requirements	TempIT-Lite (FOC) or TempIT-Pro	

\*<sup>1</sup>Programmable up to the maximum

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