

.T10 (TextLogger)

- ▶ Universal data logger for ASCII text
- ▶ RS232 or TTL/CMOS interface with data source
- ▶ Compact, economical and robust design
- ▶ SD or MMC mobile memory card for high capacity data storage in easily removable and transferable format
- ▶ Stored text files simple to read with standard PC office software



Overview

The SpaceLogger.T10 (TextLogger) is a universal serial data recorder, supporting a range of ASCII text logging applications from RS232 and TTL/CMOS compatible data sources.

Data is stored on a removable memory card as a .TXT file, enabling remote data logging without the need for direct connection to a PC. After logging, the memory card can be simply inserted in a card reader, to view and analyse the data on a PC; no special software is required.

The unit records data to an SD or MMC card. These cards are available with up to 2GB capacity.

Set up of the SpaceLogger.T10 to change the communication protocol, file name format, character substitutions, logic inversion, recording of data as ASCII hex values or data output, is simple via a configuration file written to the SD card. Settings are saved to memory.

The SpaceLogger.T10 may be set up to output RS232 data as it is input or as logged. This enables connection to a PC, display or other device.

The SpaceLogger.T10 has been designed as a versatile, economic, stand-alone solution for recording equipment operating data or for logging instrument test data. It is ideal for capturing data from any device with an RS232 serial port; replacing a printer and enabling paperless record-keeping.

Applications

Data acquisition from remotely mounted instruments. For example: temperature, humidity, pressure, pollution, noise, GPS, wind speed and direction measurements.

Production line monitoring for quality purposes.

Recording and storage of operating data from laboratory and medical devices for record-keeping. For example:

- ✓ Autoclaves and other sterilisers
- ✓ Glassware washer-disinfectors
- ✓ Refrigerators and freezers
- ✓ Incubators

Testing and validation of new equipment by R&D, laboratory and test departments.

Data recording from measuring equipment such as:

- ✓ Weighing balances and scales
- ✓ Analysers
- ✓ Gas and liquid flow meters
- ✓ Mix and dose units
- ✓ Road traffic counting

SpaceLogger® Additional Capability

The TextLogger is one member of the SpaceLogger family. Other members include options of a real-time clock with battery backup for time-stamping data, two 4-20 mA channels, 2 digital I/O channels and a second RS232 port.

Also, customised versions of SpaceLogger are possible for OEM customers. Please visit our website or contact us for more information.

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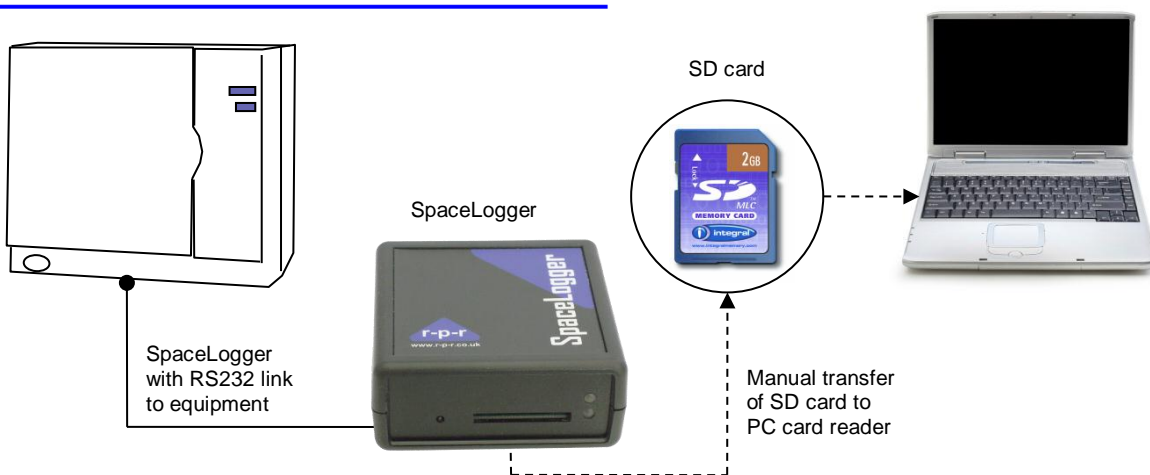
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SpaceLogger® .T10 (TextLogger) Specification

Physical	Dimensions	Width: 67 mm Depth: 67 mm Height: 28 mm (excluding optional rubber feet)
	Weight	75g
	Enclosure material	GP ABS (UL94-HB) plastic and acrylic
I/O Capability	Transmission standard	RS232 and TTL/CMOS* logic compatible. *V _{IL} Input threshold low: 0.6V min 1.2V Typ. V _{IH} Input threshold high: 1.5V Typ, 2.4V max 8 bits and no parity (default). Input data may be 8 bits and none, even or odd parity or 7 bits and even or odd parity. Output data format always as default. Logic inversion on received data is selectable.
	Transmission speed	9600 Baud (default) or selectable from 115200, 57600, 38400, 19200, 4800, 2400, 1200, 300 or 110 Baud
	Wire acceptance	0.32 to 0.65 mm diameter (AWG 28 to 22)
Data Storage	Data Storage Card	Removable SD, MMC or MMC mobile
	Data Capacity	2 GByte (max)
	File System	FAT16 or FAT32 with 8.3 file names. Sector size 512 Bytes
Audible / Visual Indicators	LED Indicators	Green: Ready to record data Red: Writing data SD card
	Audible Bleeper	Status alert
Power	Power requirement	7 to 30 Vdc
	Current at 12Vdc	10 mA typical
	Connection	1.3 mm centre pin DC connector, or Screwless terminals (0.32 to 0.64 mm diameter conductors)
Environmental	Temperature Range	Operating: -25 °C to +70 °C Storage: -40 °C to +70 °C
	EMC	CE marked - EMC Directive 2004/108/EC FCC/CFR 47: Part 15:2004
Guarantee	Period	1 year

The manufacturer reserves the right to amend the specification and therefore the information in this document may be subject to change.

Example of SpaceLogger® .T10 Application



SpaceLogger.T10 – ideal for paperless record keeping of equipment operating data