

TextLogger

- ▶ Universal data logger for ASCII text
- ▶ RS232 interface with data source
- ▶ Compact, economical and robust design
- ▶ 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 TextLogger is a universal serial data recorder, supporting a range of ASCII text logging applications from RS232 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 uses an MMC mobile memory card. These cards are available with up to 2 GByte capacity for long term data logging. TextLogger will also accept other compatible data storage cards.

The SpaceLogger-RS TextLogger 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

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

Production line monitoring for quality purposes.

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-RS Additional Capability

The TextLogger is one member of the SpaceLogger-RS 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-RS are possible for OEM customers. Please visit our website or contact us for more information.

Contact Us

e-mail: sales@r-p-r.co.uk
Tel: +44 (0)1590 679755
Fax: +44 (0)1590 688577
Website: www.r-p-r.co.uk

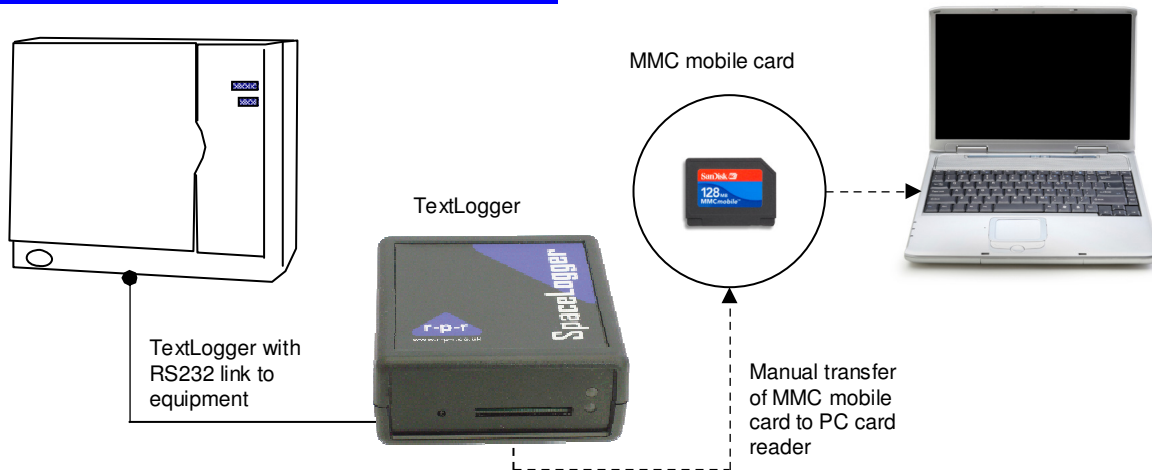
Richard Paul Russell Ltd
New Harbour Building, Bath Road
Lymington, Hampshire SO41 3SE U.K.

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 compatible, 8 bits and no parity (default). Input data may be 8 bits and even, odd or no parity or 7 bits and even or odd parity. Output data format always as default.
	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 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 to MMC mobile 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 TextLogger Application



TextLogger – ideal for paperless record keeping of equipment operating data