

SpaceLogger.S100

- ▶ Continuous, automatic recording of serial data from sensors and equipment
- ▶ 2 ports for RS232/422/485 inputs
- ▶ Ethernet connection for data viewing across your local area network
- ▶ Real-time clock, with battery back-up, for date and time stamping of data
- ▶ DIN rail mounting provision
- ▶ Compact, economical and robust design
- ▶ OEM customisation – talk to us about your application



Overview

The SpaceLogger.S100 data logger is an ethernet connected logger for recording serial data from sensors and equipment.

The SpaceLogger.S100 has the advantage of allowing you to simultaneously monitor and record from 2 sources: one port is for RS232 or RS422/485 data, and the second port is for RS232 data. The logger has the ability to record data at up to around 5000 bytes/second, which is date and time stamped.

Data from the SpaceLogger.S100 can be viewed in real-time across your local area network, with the data also recorded in daily .csv or .txt files on the SpaceLogger's micro SD card.

The SpaceLogger.S100 is a small compact device, with very low power consumption, that can be directly DIN rail mounted or can be supplied with an ABS mounting plate.

The SpaceLogger.S100 is designed to be fully customisable to suit a diverse range of OEM requirements. Please talk to us about your application.

Applications

Typical data logging applications include:

- Air quality systems
- Communications equipment
- Decontamination washers/sterilisers
- Education and Research projects
- Energy usage monitoring
- Labelling systems
- Wind and Weather monitoring
- Weighing systems
- Back-ups of sensitive data

Data Logger Range

Richard Paul Russell Ltd offers a range of data loggers including standalone, wireless and LAN connected. Please see our website www.r-p-r.co.uk

Contact Us

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SpaceLogger.S100 Specification

| | | |
|------------------------------------|-----------------------|---|
| Physical | Dimensions | Width: 100 mm Height: 80 mm Depth: 22 mm |
| | Weight | 100g |
| | Enclosure materials | ABS with polycarbonate cover |
| | Mounting | 35mm DIN rail mount, plus optional abs base plate mount |
| Serial Data Input | Number of channels | 2 |
| | Transmission standard | Port 1: RS232 or RS422/485, Port 2: RS232 |
| | Transmission speed | 2,400 to 115,200 baud |
| | Flow control | Port 1: Hardware (RTS/CTS) or software flow control |
| | Connection | 14-way pluggable terminal block, 9-way D-type or OEM specific – talk to us to discuss your equipment's compatibility |
| LAN Connectivity | Wired connection | RJ45 connector 10/100 Base-T |
| Data Storage | Data Storage Card | Removable micro SDHC/SDXC card |
| | Data Capacity | Capacity of micro SDHC/SDXC card installed (max. 32GB) 8GB micro SDHC supplied as standard |
| | Card removal | Buffer purge button |
| Audible / Visual Indicators | LED Indicators | Micro SDHC card status: Bi-colour red/green Data/LAN connectivity status: Bi-colour red/green |
| | Audible Bleeper | Status alert |
| Real Time Clock | Accuracy | ±40 ppm at 25 °C |
| | RTC back-up battery | CR2032 |
| Power | Power requirement | 5 Vdc ±10% |
| | Current at 5Vdc | 200 mA typical |
| | Connection | Micro USB connector, 14-way pluggable terminal block |
| Environmental | Temperature Range | Operating: -25 °C to +70 °C Storage: -40 °C to +70 °C CE marked - EMC directive 2014/30/EC |
| | Emissions | EN 55032:2015 CISPR 32:2015, Class B EN 60945:2002 CISPR 16-1:1999, Class B EN 61000-3-2:2014 Class A EN 61000-3-3:2013 FCC/CFR 47: Part 15:2017 ANSI C63.4:2014, Class A Canadian Standard ICES-003:Issue: CISPR 22:2008 |
| | Immunity | EN 55024:2010 EN 61000-4-2:2009, EN 61000-4-3:2006 incl A1:2008 & A2:2010, EN 61000-4-4:2012, EN 61000-4-5:2012, EN 61000-4-6:2014, EN 61000-4-11:2010 |
| | | WEEE Directive 2012/19/EU RoHS Directive 2011/65/EU |
| Guarantee | Period | 1 year warranty |

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