

Process Data Recorders

- Compact 96x96mm panel mounting data recorders to record and display process signals in numeric, tabular or graphical format
- Simple menu buttons for configuration and operation
- 1-, 4- or 8-channel paperless versions
- 0/4...20mA process control loop inputs for a most sensors
- Each input can be named, scaled and captioned by the installer for process variables such as temperature, weight, flow, pressure, humidity, speed, position, etc.
- Backlit LCD displays single or multi-channel readings in graphical, tabular or numeric formats
- Data recording can be automatic or externally controlled by an isolated digital input, with programmable sample intervals from one second up to one hour
- Two electronic alarm relay outputs (optoMOS) can be configured on individual or groups of channels
- 8MB internal memory (about 2 million records), can be significantly extended when a USB memory stick is connected. E.g. The optional SX-MUS2 4GB mini stick can record 8-channels every second for over four years (1 billion records).
- Data and configurations can be transferred by a USB memory stick, or via the RS-485 (Modbus RTU) serial port using the supplied S-Toolkit Windows® configuration software and Loggy Soft data analysis & archiving software.
- SX-STD99 lockable transparent plastic door accessory restricts unauthorised operation and provides environmental protection to IP54 standards. Can be used with mini USB memory stick.

Model	Channels	Power Supply	RS Stock No.
SX-SRD99-1U24	1	24V DC/AC	-----
SX-SRD99-4U24	4		-----
SX-SRD99-8U24	8		711-6058
SX-SRD99-1U230	1	110 - 230V AC/DC	-----
SX-SRD99-4U230	4		-----
SX-SRD99-8U230	8		711-6067

Specifications

Number of channels	1, 4 or 8
Measuring inputs	0/4 – 20mA process loop current
Measuring range	Scalable range ±9999 and decimal point
Digital control input	24V DC to start/stop recording (opto coupled)
Alarm outputs	Two electronic SPST relays, max load 24V AC/35V DC, 200mA
Recording interval	1 per second up to 1 per hour
A/D converter	12-bit resolution
Internal memory	8MB (Approx 2 million records)
External memory (Optional)	Approx 1 billion records with 4GB USB memory stick [RS Stock No. 711-6064]
Interfaces	USB host and RS-485 (Modbus RTU)
External sensor supply	24V DC, 200mA (non isolated from measuring inputs)
Display	Backlit LCD 128 x 64 pixels
Front protection	IP40 (IP54 with optional lockable front door [RS Stock No. 711-6060])
Dimensions	96 x 96mm, installation depth 102mm
Panel cut-out	90.5 x 90.5mm, max thickness 5mm
Operating temperature	0 to +50°C
Power supply	24V DC/AC (19 – 50V DC, 16 – 35V AC), or 110 – 230V AC/DC (85 – 260V), 12VA

Data_SX-SRD99_GB1007



View values of each channel



View process history graphically



View 8-channels numerically



View 8-channels graphically



With lockable door and mini USB memory stick accessories