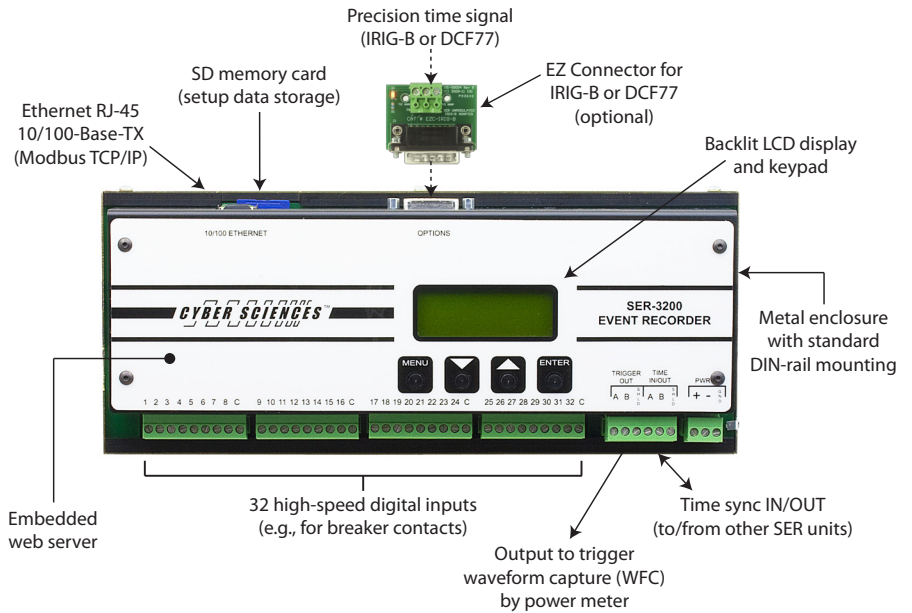


DESCRIPTIVE BULLETIN

CyTime™ Sequence of Events Recorder SER-3200

sequence of events recorder
noun: intelligent system that monitors external inputs and records the precise time and description of state changes to facilitate root-cause analysis.

The CyTime™ SER-3200 Sequence of Events Recorder (SER) from Cyber Sciences provides precision event recording for 32 high-speed digital input channels. The SER-3200 records the date and time associated with input state changes to one (1) millisecond resolution.



Product highlights

32-channel event recorder

One (1) ms event resolution, with user-configurable filter, debounce and chatter.

Embedded web server

Setup and monitoring over a network, via web browser—no software to install.

SD card with XML setup file

Create templates to quickly replicate setup configurations across multiple units.

Easy wiring

Screw-terminals facilitate wiring, and indicator LED confirms valid time input.

Waveform Capture (WFC) trigger out

Triggers power meter to capture current/voltage waveforms coincident with event.

UL-listed

UL-508. (24 Vdc model)



Event	Date and Time	Input	Event Type	Status	Time Quality	Seq #
6900	04/13/2010 13:17:32.336	Input 20	Input Status Change	On to Off	0:Good (< 1ms)	1241466
6899	04/13/2010 13:17:31.335	Input 19	Input Status Change	On to Off	0:Good (< 1ms)	1241465
6898	04/13/2010 13:17:30.334	Input 18	Input Status Change	On to Off	0:Good (< 1ms)	1241464
6897	04/13/2010 13:17:29.333	Input 17	Input Status Change	On to Off	0:Good (< 1ms)	1241463
6896	04/13/2010 13:17:28.332	Input 16	Input Status Change	On to Off	0:Good (< 1ms)	1241462
6895	04/13/2010 13:17:27.331	Input 15	Input Status Change	On to Off	0:Good (< 1ms)	1241461
6894	04/13/2010 13:17:26.330	Input 14	Input Status Change	On to Off	0:Good (< 1ms)	1241460
6893	04/13/2010 13:17:25.329	Input 13	Input Status Change	On to Off	0:Good (< 1ms)	1241459
6892	04/13/2010 13:17:24.328	Input 12	Input Status Change	On to Off	0:Good (< 1ms)	1241458
6891	04/13/2010 13:17:23.327	Input 11	Input Status Change	On to Off	0:Good (< 1ms)	1241457
6890	04/13/2010 13:17:22.326	Input 10	Input Status Change	On to Off	0:Good (< 1ms)	1241456
6889	04/13/2010 13:17:21.325	Input 09	Input Status Change	On to Off	0:Good (< 1ms)	1241455
6888	04/13/2010 13:17:20.324	Input 08	Input Status Change	On to Off	0:Good (< 1ms)	1241454
6887	04/13/2010 13:17:19.323	Input 07	Input Status Change	On to Off	0:Good (< 1ms)	1241453
6886	04/13/2010 13:17:18.322	Input 06	Input Status Change	On to Off	0:Good (< 1ms)	1241452
6885	04/13/2010 13:17:17.321	Input 05	Input Status Change	On to Off	0:Good (< 1ms)	1241451

View input status and events using a standard web browser



Applications



Power reliability starts with precision timing and accurate information. The SER-3200 is a key component to ensure power system reliability.

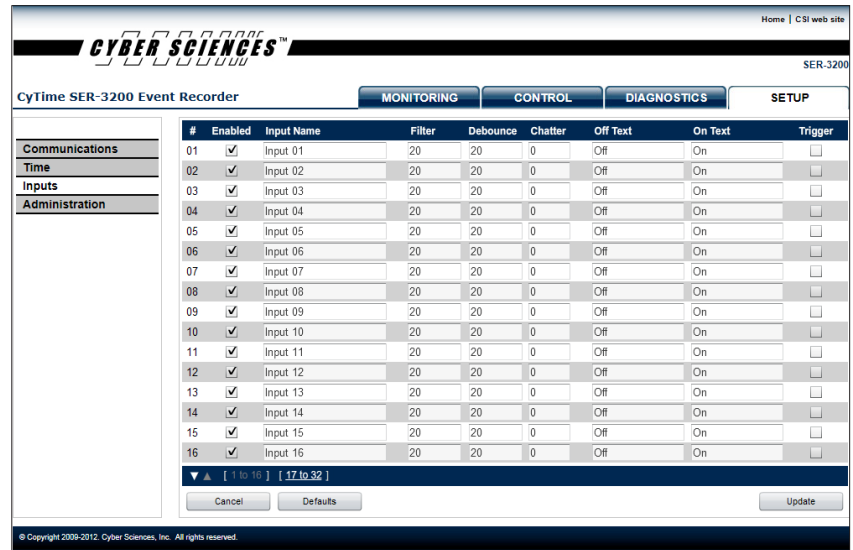
Sequence of Events Recording (SER). Use the SER-3200 as a stand-alone event recorder or as a part of a comprehensive SER solution for power monitoring and control systems in critical power facilities such as hospitals and data centers.

Power SCADA. The SER-3200 supports multiple masters, making it suitable for supervisory control systems in continuous processes such as refineries, water treatment plants and electric utility power distribution networks.

Smart Grid. Use the SER-3200 for event reconstruction to analyze power system events with millisecond precision. Use with advanced power meters to capture voltage and current waveforms associated with circuit breaker trips and other events for troubleshooting and preventive maintenance.

CyTime Advantages:

- UL-listed
- Web browser setup and monitoring
- Setup over a network
- High-speed trigger output
- Multiple time-sync options: IRIG-B, DCF77, NTP or RS-485 inter-device
- Custom web pages—add your own!
- XML setup templates on SD card
- Supports multiple masters
- Firmware updates over a network
- RoHS-compliant, lead-free



Easy setup using a standard web browser, even over a network



Cyber Sciences, Inc. USA

Doc. no: DB-SER-01R4
Feb-2012



ORDERING INFORMATION

Catalog no.	Description	Voltage rating	
		Control power	Inputs
SER-3200-P2X2	Event recorder, 32 inputs	24Vdc	24Vdc
SER-3200-32GB	SER-3200 with 32GB option	24Vdc	24Vdc
SER-3200-xxxx	SER-3200, other voltages	125Vdc	125Vdc
EZC-IRIG-B	IRIG-B EZ connector for SER	---	---
EZC-DCF77	DCF77 EZ connector for SER	---	---