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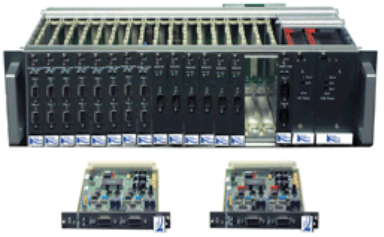
The Wayback Machine - https://web.archive.org/web/20140816000317/http://www.kscorp.com:80/data-acquisition/signal-conditioning/vxi/v710.htm

V710
VXI Signal Conditioning Termination Panel

The V710 active termination panel is a 19" rack mount 3U chassis that supports up to 16 signal conditioning modules for a maximum of 32 bridge signal conditioning channels.

The V710 is designed for use with the KineticSystems 3U front-end signal conditioning modules SC20 & SC21, that are controlled and monitored by the serial controller module SC15.

The V710 also accomodates ADC hosting connector modules SC16 & SC17, direct input modules SC25, and the system power supply modules SC10 & SC11.



SC20 Module | SC21 Module | SC15 / SC16 / SC17 Modules | SC25 Module | SC10 / SC11 Modules | V710 Chassis

SC15: Serial Controller Module for Bridge Signal Conditioners



SC15/16/17 Data Sheet

Supporting Software

Request Quote

The SC15 is a 3U serial controller that accepts ASCII commands from a standard computer serial port to control and monitor all of the installed bridge signal conditioning modules in the V710 termination panel chassis.

A standard RS-232 serial port is connected to the Port A connector on the SC15. If a system contains multiple V710 panels, Port B on the first SC15 is connected to Port A on the second SC15. This is repeated for all remaining SC15 units.

Each SC15 can be set to one of 256 logical addresses and serial data rates from 50 to 38,400 baud. The address and the baud rate are set by switches on each SC15.

The command set includes nine ASCII commands. These commands include a global reset and eight additional commands that are addressed to individual signal conditioning modules. The signal conditioning modules can be set to provide ASCII asynchronous event notification messages (such as a SC20 indicating that an excitation alarm is present, for example). Port A and Port B utilize DE9P connectors.

SC16: Connecting Adapter Module for V200

The SC16 is a connector adapter that contains two 50S high-density connectors, for use with the V200 Sigma-Delta 200KSPS 16-bit ADC Module. The pinout on these connectors matches that on the V200. The SC16 is affixed to the rear of the V710 chassis.

SC17: Connecting Adapter Module for V213

The SC17 is a connector adapter that contains one 68S high-density connector, for use with the V213 16-bit ADC scanning Module. The pinout on these connectors matches that on the V213. The SC17 is affixed to the rear of the V710 chassis.

VXI Module Features

SC15 Serial Controller:

- RS-232 Serial Controller Interface for Control & Monitoring Installed Bridge Signal Conditioning Modules in the V710 Termination Panel Chassis
- Pass-Through Capability for Multiple V710 Chassis
- Logical Address Supports up to 256 SC15 Controllers
- Supports Serial Data Rates from 50 Baud to 38,400 Baud
- Includes a Straightforward Set of Nine ASCII Commands

SC16 Cable Interface:

- Includes Two 50-Contact High-Density Connectors
- Pinout Matches V200 Channel Input Paths

VXI Module Ordering Information

SC15 Products and Part Numbers	
RS-232 Serial Controller	SC15-AA11
RS-232 Serial Controller with Calibrator for SC21	SC15-AB11
SC16 Products and Part Numbers	
Connector Adapter for V200, Two 50S High-Density Connectors	SC16-AA11
SC17 Products and Part Numbers	
Connector Adapter for V213, One 68S High-Density Connector	SC17-AA11
Connector Adapter for V213, with Calibration Connector for SC21, One 68S High-Density Connector	SC17-AA22

SC17 Cable Interface:

- Includes One 68-Contact High-Density Connector
- Pinout Matches V213 Channel Input Paths

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