Signal Conditioning Termination Panel

An active termination panel with signal-conditioning plug-ins **V710**

Features

- **Provides an active termination panel when used with signal-conditioning plug-ins**
- **Provides multiple channels of wideband bridge signal conditioning when used with SC20 or SC21 plug-in modules (2 channels per card)**
- **3U-high chassis arranged for 19" rack mounting**
- **Supports up to 16 SC20 or SC21 modules (32 channels) of bridge conditioning**
- **Straight-through voltage inputs accommodated by the SC25 module (2 channels per card)**

Typical Applications

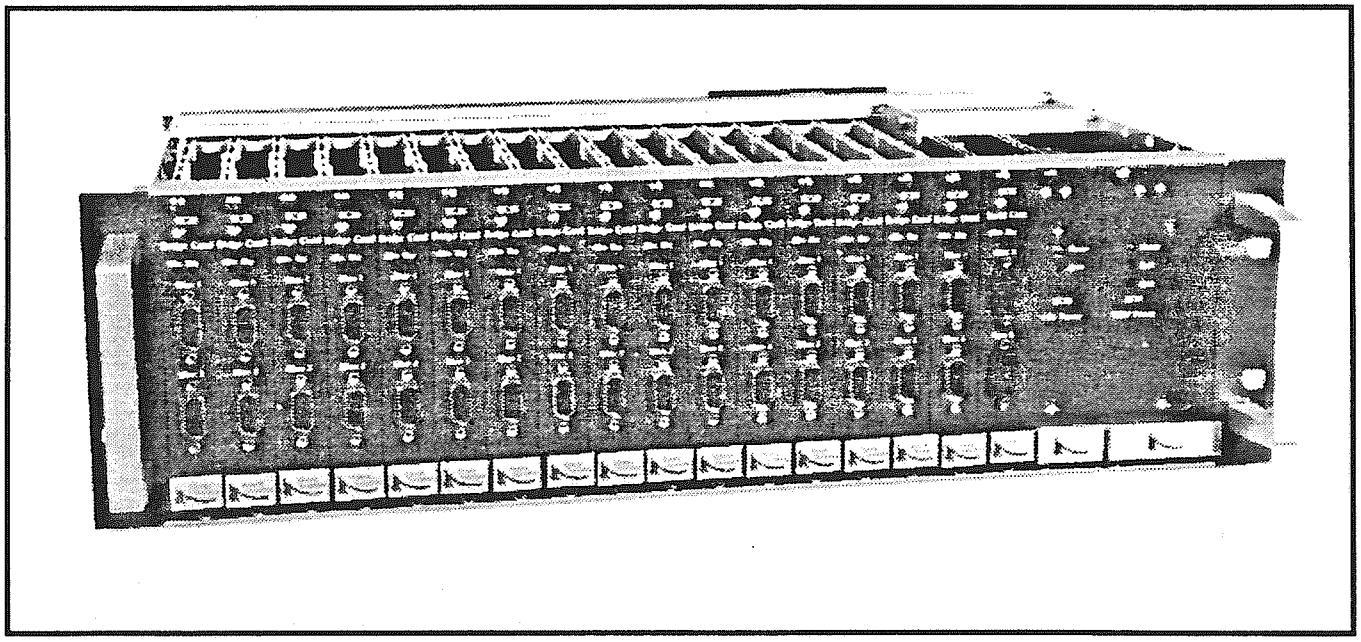
- **Acoustic and vibration measurements**
- **Rocket motor tests**
- **High frequency dynamic tests**
- **Automotive testing**
- **Tests using bridge-type sensors**
- **General-purpose data acquisition**

General Description *(Product specifications and descriptions subject to change without notice.)*

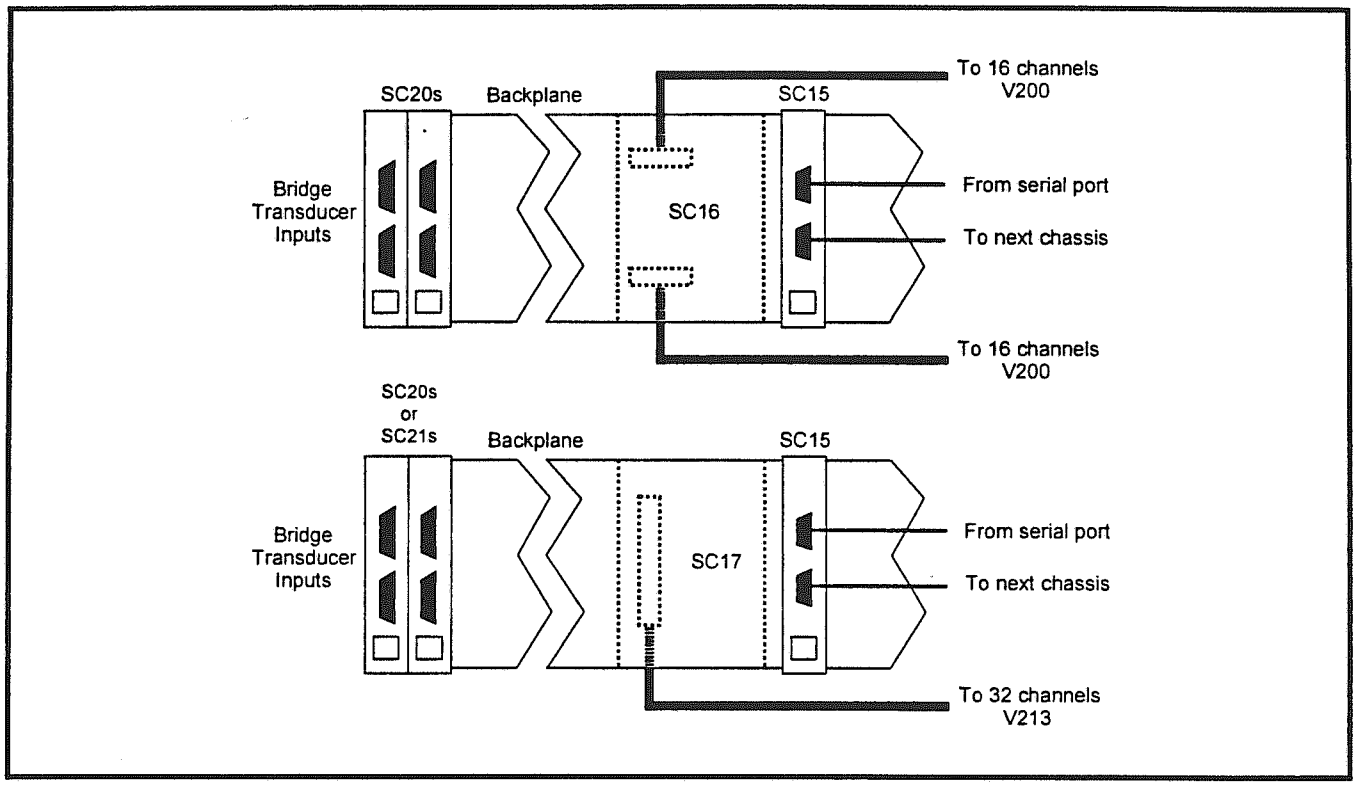
The V710 is an active termination panel that provides additional signal conditioning for modules such as the V200 Sigma-Delta ADC and the V213 Scanning ADC. This termination panel is 3U (5.25") high and is arranged for 19" rack mounting. The V710 chassis accommodates up to 16 signal conditioning modules, a serial controller module, a +5 V power supply and a ±15 V power supply.

The two-channel SC20 Wideband Bridge Signal Conditioner module can achieve up to 90 kHz signal bandwidth when used with the V200 Sigma-Delta ADC. The SC21 Bridge Signal Conditioner provides gain and filtering and is intended for use with the V213 ADC module. The SC15 Serial Controller accepts ASCII commands from a standard computer serial port to control and monitor the signal conditioning modules in the V710 chassis. Cable connections to the host ADC module(s) are made via connectors on the rear of the V710. Two connector adapters are available: The SC16 contains two 50S high density connectors for use with 16 V200 channels. The SC17 contains one 68S high density connector for use with 32 V213 channels. The SC16 or the SC17 should be affixed to the rear of the V710 chassis.

V710 Active Termination Panel (shown with 16 SC20 bridge conditioning modules)



Connections Between a V710 Termination Panel and a V200 or a V213 ADC



Ordering Information

Model V710-AA11 Signal Conditioning Termination Panel

Related Products

Model SC10-AA11	+5 V Power Supply (one required per V710)
Model SC11-AA11	±15 V Power Supply (one required per V710)
Model SC15-AA11	Serial Controller (one required per V710 with SC20s)
Model SC15-AB11	Serial Controller with Calibrator and Reference (one required per V710 with SC21s)
Model SC16-AA11	Connector Adapter, Two 50S High Density Connectors (use with SC20 and V200)
Model SC17-AA11	Connector Adapter, One 68S High Density Connector (use with SC20 and V213)
Model SC17-AA21	Connector Adapter with Calibration Connector, One 68S High Density Connector (use with SC21 and V213)
Model SC20-AA11	Wideband Bridge Signal Conditioner with Trifilar Transformers (as needed)
Model SC20-AB11	Wideband Bridge Signal Conditioner without Trifilar Transformers (as needed)
Model SC21-AA11	Bridge Signal Conditioner with Gain, Filtering and Trifilar Transformers (as needed)
Model SC21-AB11	Bridge Signal Conditioner with Gain and Filtering (as needed)
Model SC25-AA11	LEMO Direct-input module (as needed)
Model SC25-AB11	BNC Direct-input module (as needed)
Model SC26-AA11	V710 Load Module (Required to maintain power supply regulation whenever eight or less SC-series signal conditioning modules are installed in the V710 Active Termination Panel.)
Model 5819-Fxyz	Cable, 50S High Density to 50P High Density (one required for 16 channels, V200)
Model 5868-Dxyz	Cable, 68S High Density to 68P High Density (one required for 32 channels, V213)

Note: One V710 supports up to 16 signal conditioning modules (SC20, SC21 or SC25, 32 channels, total).

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