

CAMAC Equipment

CAMAC, Computer Automated Measurement And Control, is an IEEE-standard (583), modular, high-performance, realtime data acquisition and control system concept.

Since 1969, CAMAC has been used in many thousands of scientific, industrial, aerospace, and defense test systems around the world.

APPLICATIONS

Jet and rocket engine testing
Thermocouple monitoring
Analog voltage monitoring

3569 16/32-channel Analog Mux



The Model 3569 is a single-width CAMAC module providing 16 or 32 channels of general-purpose analog signal monitoring as well as 16 or 32 channels of input multiplexing.

FEATURES

- 16- and 32-channel options (2-pole, lowpass filters on 16-channel option)
- Multiplexer for use with a 3518 ADC



GENERAL DESCRIPTION

The Model 3569 is a single-width CAMAC module providing 16 or 32 channels of general-purpose analog signal monitoring as well as 16 or 32 channels of input multiplexing. It is used with the Model 3518 16-bit Scanning A/D Converter Host module. The 32-channel version does not include input filters. The 16-channel version includes a 2-pole, lowpass filter per channel.

Analog signals are brought into the 3569 via one or two AMP, 36-contact, high-density, rectangular connectors mounted to the front panel (for the 16- or 32-channel version of the module). These connectors mate directly with the Model 5944-Z1A mating connectors and with the Model 5855-Series of cable assemblies. The multiplexer output and control signals are bussed between the front panel of the 3569, other signal conditioning modules, and the 3518 AD module via the Model 5840-Series of 10-wire flat ribbon cable assemblies. The front panel also contains a LED which flashes whenever the module is addressed.

OPTIONAL FILTERS

The 16-channel version of the 3569 contains a passive, lowpass filter per channel. These filters provide a nominal 3dB attenuation at 10 hertz with a rolloff of 12 dB per octave above 10 hertz

CHANNEL SELECTION

The 3569-V1A contains 32 channels and its Channel Address switch is normally set to "0" (with its first channel corresponding to the first channel of a 3518 scan). The 3569-V1D contains 16 channels and its Channel Address switch is normally set to 0 or 4 (with its 16 channels scanned as 0 to 15 or 16 to 31 by the host 3518). The number of scanned channels in the 3569 is also switch-selectable from four to 16 or 32 (depending upon option) in increments of four. The First Channel address and the number of scanned channels can be read via the Dataway for verification.

WEIGHT:

.62 kg. (1 lb. 6 oz.)



ACCESSORIES

- Model 3518-Z1A 16-bit Scanning A/D Converter Host
- Model 5944-Z1A Mating Connector (two connectors required for 3569-V1A)
- Model 1854-A2A Termination Panel with 5855-B30J Cables (two cables required for 3569-V1A)
- Model 5855-A30J Cable Assembly (two cables required for 3569-V1A)
- Model 5840-M000-V000 Ribbon Cable — 10 Conductor (one cable required for 3569-V1A or V1D)

ORDERING INFORMATION

MODEL	DESCRIPTION
3569-V1A	32-channel Analog Mux w/o Filters
3569-V1D	16-channel Analog Mux w/Filters

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