KineticSystems

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

Use with 3291 Dataway Display

Locating faults in CAMAC systems

Automatic computer-controlled diagnosis

Software debugging

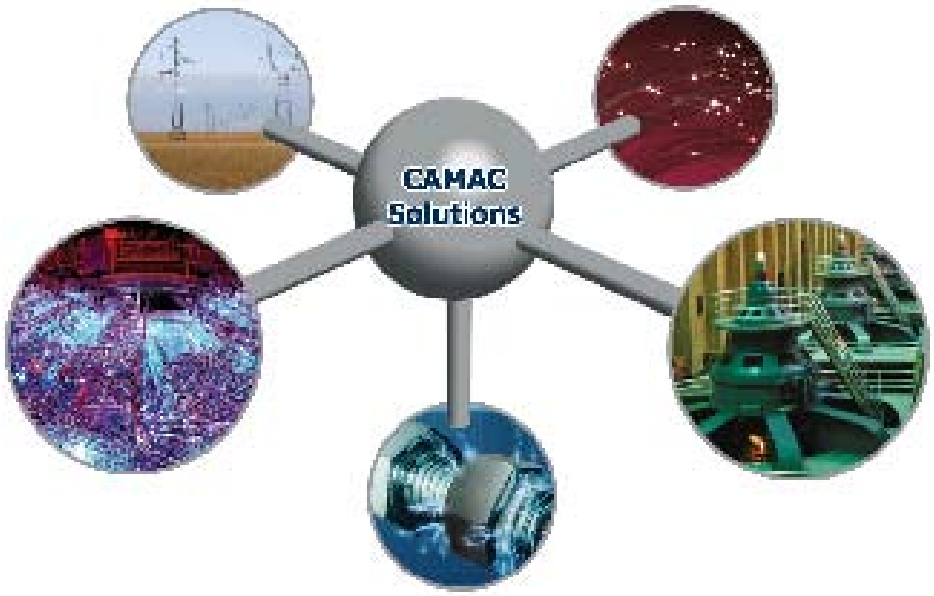
Module checkout

Event monitoring

Data entry

3296

Dataway Display Control w/Input Gate



The Model control module is a single-width module arranged to enhance the use of the Model 3291 Dataway Display.

FEATURES

- Selective display based on specific Dataway command (NAF)
- Selective display only when a particular data bit is true or false
- Selective display of "Next" Dataway cycle
- Buffered "Gate" and strobe signals for oscilloscope triggering
- "Gate" and "Dataway Active" LEDs
- 16-bit manual input gate

GENERAL DESCRIPTION

The Model control module is a single-width module arranged to enhance the use of the Model 3291 Dataway Display. The 3296 selectively controls (by switches on the 3296) the commands and associated data to be displayed by the 3291.

If a 3291 is in the "S1" mode, it will display all Dataway operations in the crate. The information is latched and updated during each Dataway cycle. When a typical system is in operation, a sequence of many commands is presented to the Dataway Display. It could be extremely useful to display only the command and data associated with one command, an F(1)•A(12) Read, for example. The 3296 provides this valuable tool. Its numerous additional features save many hours in software/hardware debugging.

The 3296 includes a 16-bit manual input gate for remote data entry (a 16-bit version of the 3461). A switch is also provided for setting LAM status. A LED indicates when a LAM request is present. The binary "N" pattern from the previous command can be read from the 3296 (if the N cable connection is implemented).

3291/3296 OPERATION

Operation	Description
Normal 3291	No control by the 3296; all switches off.
NAF Selection	Fourteen binary switches to select command(s) to be displayed
Data Selection	One data bit is compared true or false; true with D = 1 switch-selected
Selection Enable	Four switches are labeled N, A, F, and D. When one is selected, it enables the associated binary selection switch. To display F(17)•A(1), the F and A switches are selected as well as binary F16, F1, and A1.
C/+1 Selection	Operated to the left, a normal compare results; operated to the right, the 3291 will display the next command after a compare. This feature is extremely useful

The 3296 contains binary selection switches for SLOT (N16, N8, N4, N2, N1) SUBADDRESS (A8, A4, A2, A1), and FUNCTION (F16, F8, F4, F2, F1) and one data bit (D = 0/D =1). This module contains comparator ICS to compare the current command with that selected by the binary switches. When a comparison occurs, this control module allows the 3291 to display that command (and data, if applicable). Switches to disable the N, A, F, and D comparisons are provided. For example, if all comparisons are disabled except "F", then the selection of "F16" and "F1" would cause the 3291 to display all commands containing F(17).

POWER REQUIREMENTS

+6 volts — 320 mA

WEIGHT:

.70 kg. (1 lb. 8 oz.)

ACCESSORIES

Model 5860-G000	3291/3296 Patch Cord (included)
Model 5930-Z1A	Mating Connector
Model 5844-Series	Encoded "N" Cable (for use with the Auxiliary Controller Bus)
Model 5860-B000	Encoded "N" Cable (for connection to the 3952)

ORDERING INFORMATION

MODEL	DESCRIPTION
3296-Z1A	Dataway Display Control with Input Gate

Updated May June 3rd, 2005

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