

CAMAC Equipment

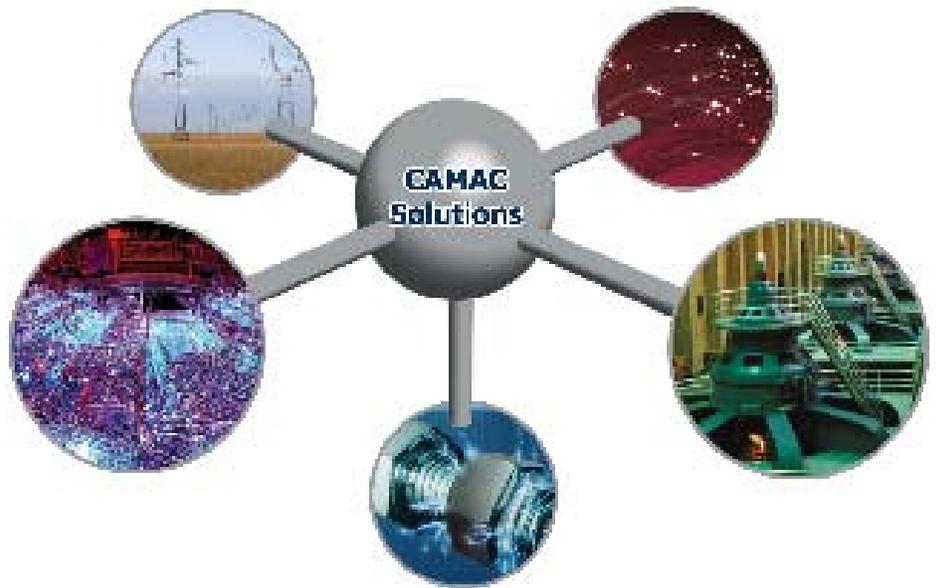
CAMAC, Computer Automated Measurement And Control, is an IEEE-standard (583), modular, high-performance, realtime data acquisition and control system concept.

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

APPLICATIONS

Contact sense
Data input
Level detectors
Alarms
Manual switch entry
Pressure switches
Auxiliary contacts

3471 24-bit Isolated Input Gate



The Model 3471 is a single-width CAMAC module providing 24 individually isolated contact sense circuits.

FEATURES

- 24-bit voltage sense
- Optical isolation
- 120 VAC input
- 12, 24, and 48 VDC input available
- 100 millisecond filter



GENERAL DESCRIPTION

The Model 3471 is a single-width CAMAC module providing 24 individually isolated contact sense circuits. The sense circuit detects the presence or absence of voltage at its terminals and is suitable for sensing such remote process contact closures as limit switches, machine tool relay contacts, pressure switches, manual switches, and mercury-wetted contacts. Four voltage options are available: 12 VDC, 24 VDC, 48 VDC, and 120 VAC.

Input isolation is achieved by using LED/phototransistor optical isolators. Each circuit is a floating two-wire circuit with common-mode voltage isolation greater than 500 volts. Each option has 24 circuits with identical input voltage ratings, and the switching threshold is approximately one half the rated input voltage. Each input circuit draws more than five but less than ten milliamperes.

The logic convention is such that a contact closure (input voltage present) is interpreted as a logical "1".

Each input is conditioned by filtering after the optical isolator. The filter time constant is 100 milliseconds. Other time constant options are available by special order.

POWER REQUIREMENTS

+6 volts — 450 mA

WEIGHT:

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

ACCESSORIES

- Model 5950-Z1A Mating Connector
- Model 1850-A1D Rack Termination Panel

ORDERING INFORMATION

MODEL	DESCRIPTION
3471-A1A	24-bit Isolated Input Gate — 120 VAC
3471-A1B	24-bit Isolated Input Gate — 48VDC
3471-A1C	24-bit Isolated Input Gate — 24VDC
3471-A1D	24-bit Isolated Input Gate — 12VDC
3471-A1E	24-bit Isolated Input Gate — Contact Input

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