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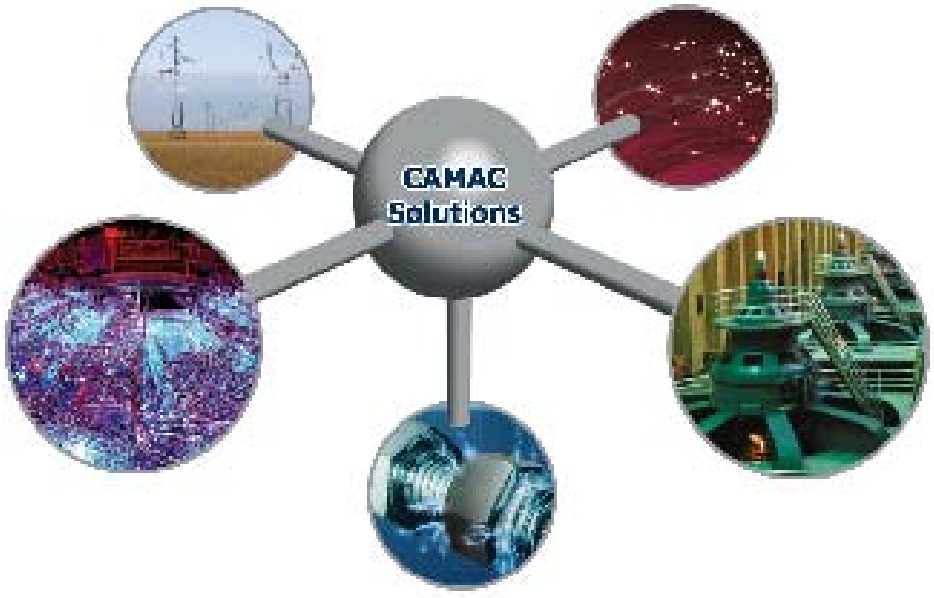
CAMAC Equipment

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.

3472

48-bit Input Gate



The Model 3472 is a single-width input gate for receiving 48 bits of data from external devices.

APPLICATIONS

General-purpose data input applications

Monitoring TTL signals

Monitoring contact closures

FEATURES

- 48-bit input gate
- Options available for contact monitoring as well as TTL input levels

KineticSystems

GENERAL DESCRIPTION
The Model 3472 is a single-width input gate for receiving 48 bits of data from external devices. The current state of the input is read by two Read commands. An F(0)•A(0) command reads the state of Group A (24 bits), and an F(0)•A(1) command reads the state of Group B (24 bits).

INPUT CIRCUITS
Two input circuit options are provided. The "Contact" option is intended for monitoring switch contacts and the like. Each bit has an input circuit with an open circuit voltage of 16 volts and a short circuit current of 3.5 milliamperes. The switching threshold is approximately +10 volts. The input is filtered with a one millisecond time constant to reduce noise. A closed external circuit is read as a "1". This provides contact "wetting" current as well as a high noise threshold. On the TTL option, input signals are TTL level with internal 2200 ohm pull-up resistors to +5 volts. The

TTL input signals are low-true.

CONNECTOR OPTIONS
Two connector options are provided. All I/O signals are wired to either a 50-contact, Amphenol ribbon connector on the front panel or a 52-pin, "2D" connector on the rear panel.

POWER REQUIREMENTS
Model 3472-A1A, F1A —
+6 volts — 350 mA
+24 volts — 170 mA
–24 volts — 30 mA

Model 3472-A1B, F1B — +6 volts — 600 mA

WEIGHT:
.45 kg. (1 lb.)

ACCESSORIES
Module Mating Connector I/O Cable (one end unterminated)

3472-A1A, A1B	5950-Z1A 5853-Axyz
3472-F1A, F1B	5942-Z1A 5850-Bxyz

ORDERING INFORMATION

MODEL	DESCRIPTION
3472-A1A	Contact 50-contact Ribbon-socket
3472-A1B	TTL 50-contact Ribbon-socket
3472-F1A	Contact 52-pin "2D"
3472-F1B	TTL 52-pin "2D"

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