

CAMAC Equipment

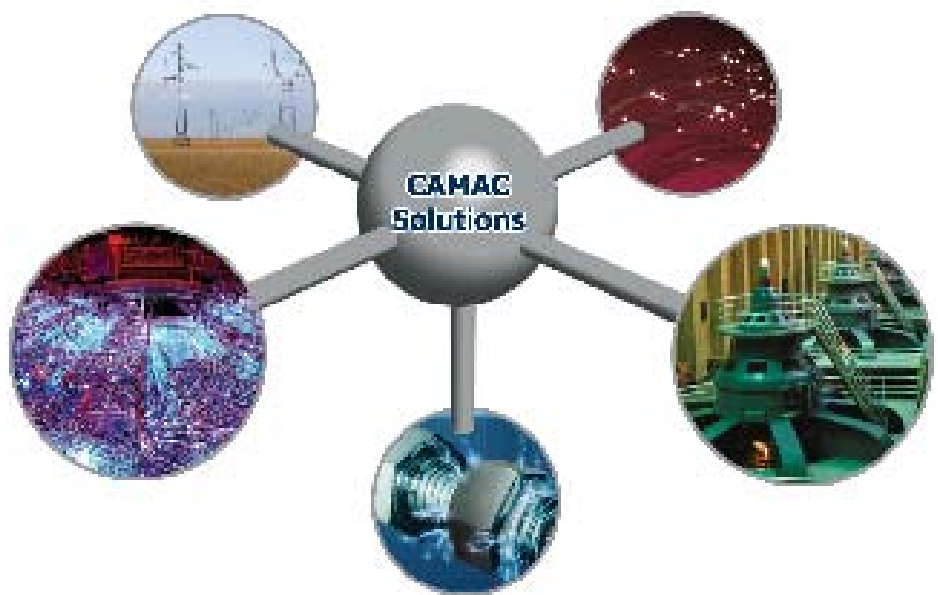
CAMAC, Computer Automated Measurement And Control, is an IEEE-standard (583), modular, high-performance, realtime data acquisition and control system concept.

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

APPLICATIONS

Field wiring terminations
Module I/O termination
General-purpose patch panel

1854, 56 Termination Panels



The Model 1854 Termination Panel provides a convenient method for field terminating module I/O signals. Arranged for 19-inch relay rack mounting, the panel permits termination of 32 channels of I/O and occupies only 4.45 cm (13/4 inches) of rack height.

FEATURES

- 32 channels of I/O terminations with 19-inch rack mounting
- Dependable cage clamp connections to field wiring
- Choice of termination options for analog input signals
- Filtered unit (1856) available for Model 4024



GENERAL DESCRIPTION

The Model 1854 Termination Panel provides a convenient method for field terminating module I/O signals. Arranged for 19-inch relay rack mounting, the panel permits termination of 32 channels of I/O and occupies only 4.45 cm (13/4 inches) of rack height. The 32 channels are broken into two groups of 16 channels each for mating with modules such as the KSC Models 3512, 3514, and 3516. The Model 1856 is a similar panel with balanced low-pass filters (-3 dB cutoff at 7 kHz) for use with the Model 4024 Recording Datalogger.

The 1854 panel uses 64 Wago® stainless steel, cage clamp springs to receive the field wiring. Each spring accepts a single solid or stranded conductor in wire sizes AWG 24 to AWG 14. The springs feature constant contact resistance, are vibration proof, and are easy to use. Each of these terminals is wired to a contact on a 50-contact (plug) ribbon connector. This connector will mate with a 5950-Z1B (socket) ribbon connector or with the 5853-Series of ribbon connector cables. If the 5853-Exyz cable (socket on one end; plug on the other) is used, modules with an -Axyz suffix (50-contact "Amphenol" Ribbon connector I/O) can be connected directly to the 1854 panel. For modules with 50-pin "D" connectors, the 5853-Jxyz cable should be used. The 5853-Series I/O cables must be ordered separately. Two are required to terminate all 32 channels on the panel.

For analog input signals destined for the 3512 or 3514 16-channel A/D converters, the 1854 accommodates three different signal types. In its simplest form, the 1854 passes a differential voltage to each channel of the A/D module. By relocating option jumper straps on the panel, the 1854 accepts a voltage derived from a passive 4-20 mA current loop by passing the loop signal through a 249 ohm, 1% resistor (i.e., the full-scale input signal to the A/D module is 4.98 V). The third option provides connections for an active 4-20 mA current loop. The power for the current loop can be generated either in the transmitting device or in the A/D module, but in either case the transmitter must float so that the current loop signal can be referenced to module ground. The type of input signal is selectable on a channel by channel basis.

Other types of I/O signals, both into and out of CAMAC modules, can be accommodated by strapping the 1854 for its "straight-through" option. The 1854 and 1856 are 4.45 cm (1.75") high x 48.26 cm (19") wide x 11.43 cm (4.5") deep.

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ACCESSORIES

Model 5842-Axyz	Cable Assemblies (two required for 32-channel use with Model 1856)
Model 5853-Series	Cable Assemblies (two required for 32-channel use with Model 1854)
Model 5950-Z1B	Ribbon Connector (Model 1854)
Model 1850-A1E	— Rack Termination Panel, No cable
Model 1850-E1D	— Rack Termination Panel, 2 m cable/50S "D" connector
Model 1850-F1D	— Rack Termination Panel, 2 m cable/52S "2D" connector
Model 1850-P1D	— Rack Termination Panel, 2 m cable/PC Edge connector
Model 1850-001	Z Bracket Wall Mounting Kit
Model 1850-004	Test Plug (ten pieces)
Model 1850-005	Wire Channel

ORDERING INFORMATION

MODEL	DESCRIPTION
1854-A2A	Rack-mount Termination Panel

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