

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

Driving process current loops
Controlling current-loop meters, valves, etc.

3120 Standardized Data Acquisition Control System



The Model 3120 is a single-width CAMAC module arranged to produce eight separate ground-connected 4-20 milliampere current-loop output signals.

FEATURES

- Drive 4-20 milliampere current loops
- Ground-connected and Isolated source modules available
- Eight current-loop channels provided on each module
- A 3120 module includes eight D/A converters

GENERAL DESCRIPTION

The Model 3120 is a single-width CAMAC module arranged to produce eight separate ground-connected 4-20 milliampere current-loop output signals. Each channel includes a register written from the Dataway, a 12-bit D/A converter, and a voltage-to-current converter for producing the current-loop signal.

ACCURACY(MAXIMUM ERROR)

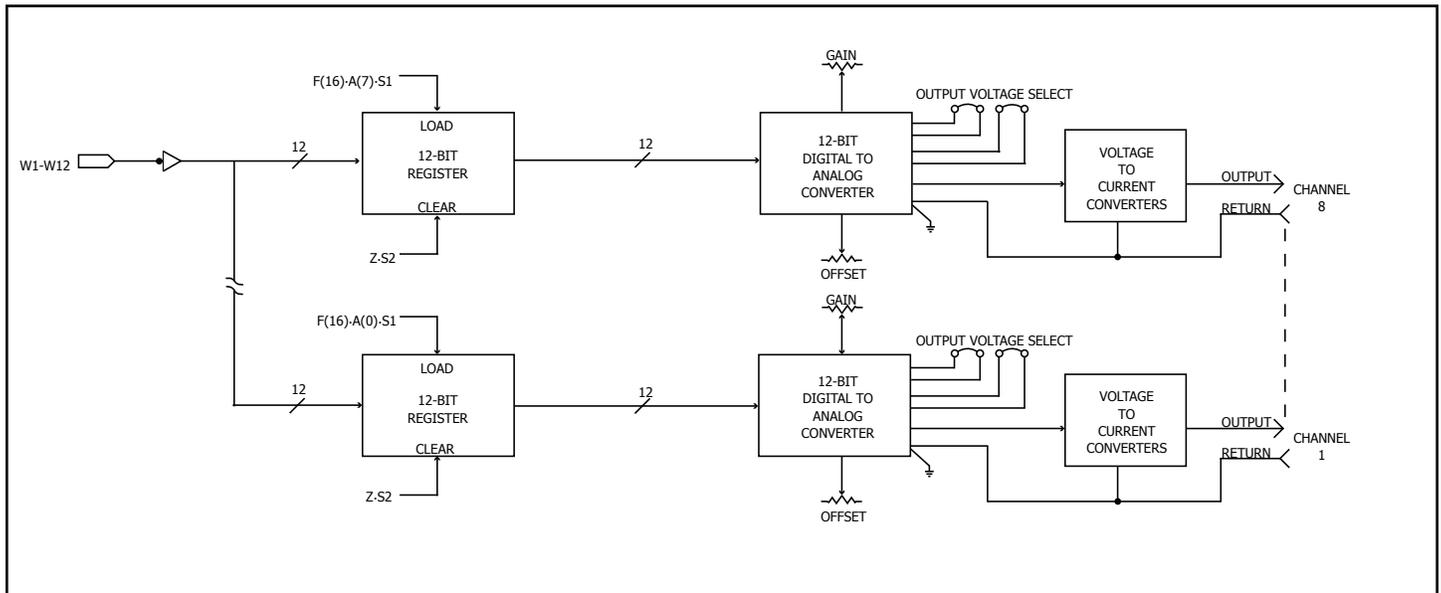
MODEL	NONLINEARITY	DRIFT
3120	±0.1%	±0.01%/°C

FUNCTION CODES (MODEL 3120)

COMMAND	Q	ACTION
F(16)•A(i) WT1	1	Writes the Data
Z CZ	0	Clears the data

- Notes:
1. i can range from 0 to 7.
 2. X= 1 for all valid addressed commands.
 3. A watchdog timer is provided. When strap-selected, this timer clears all registers if no Dataway activity is detected for a selected period of time.

SIMPLIFIED BLOCK DIAGRAM (Model 3120)



POWER REQUIREMENTS

Model	+6V	+24	-24
3120	400 mA	300 mA	200 mA

WEIGHT:

Model 3120 - 0.51 kg. (1 Ib. 2 oz.).

ACCESSORIES

Module	Mating Connector	Termination Panel
3120-A1A	5950-Z1A	1850-A1D
3120-E1A	5934-Z1A	1850-E1D

ORDERING INFORMATION

MODEL	CONNECTOR	VOLTAGE SOURCE	OUTPUT TYPE
3120-A1A	50-contact Ribbon-	On-board D/A	Grounded
3120-E1A	50 -contact "D" Plug	On-board D/A	Grounded

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