GE Series 90-70 Series Service Manual

IC697VAL134

1. Description

The GE Fanuc Automation IC697VAL134 converter board is used to convert signals from analog to digital by using an ADC converter with a resolution of 12 bits.

2. Specifications

Specification	Value
Brand	**GE Fanuc**
Series	**Series 90-70**
Part	**Number IC697VAL134**
Type	**Converter Board**
Converter	**ADC**
Resolution	**12 bits**
Input	**channels 31**
Input	**type Single-ended analog input channels**
Scanning	**Automatic. 40 kHz aggregate rate**
Input	**ranges 50 mV to 10 VDC**
Cables	**Discrete wire cables**
LED	**Yes, front panel**
Isolation	**voltage 1000 VDC**
The	**IC697VAL134 board is a converter board that has been designed and manufactured by GE Fanuc Automation. The specific purpose of this board is to work as a signal converter device. It can scan analog input channels and convert the signal from analog to digital. The specific converter that comes embedded in the board is an ADC converter with a resolution of 12 bits. This board does not require the use of any software after it has been powered up and it starts scanning each input channel. The GE Fanuc Automation IC697VAL134 converter board has an input range that goes from +/- 50 minivolts to +/- 10 Volts DC and it comes with input overvoltage protection features. The**

3. Product Information

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Technical specifications for IC697VAL134

Brand GE Fanuc

Series Series 90-70

Part Number IC697VAL134

Type Converter Board

Converter ADC

Resolution 12 bits

Input channels 31

Input type Single-ended analog input channels

Scanning Automatic. 40 kHz aggregate rate

Input ranges 50 mV to 10 VDC

Cables Discrete wire cables

LED Yes, front panel

Isolation voltage 1000 VDC

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The GE Fanuc Automation IC697VAL134 converter board includes a front panel LED that indicates the status of the inputs. This board occupies 128 bytes of I/O VMEbus space and it comes with jumpers that provide space for a board on any 128-bytes boundary. Before installing the GE Fanuc Automation IC697VAL134 converter board, the equipment needs to be deenergized to ensure safety during the installation process to both the equipment and the technicians. This board comes with 40 Hertz input filters that have been factory configured. This board is divided into different functional categories such as the Board ID register, BIT voltage reference, and analog input multiplexing categories. For certain applications, the board requires calibration to operate properly. Frequent maintenance is also recommended to check the physical status of the board and its connections.