

GT1034

PRECISION REFERENCE ISA CARD

- General purpose precision references
- 2-wire and 4-wire resistance measurements
- DC reference
- AC RMS reference
- Frequency reference



DESCRIPTION

The GT1034 is a precision reference board used in ATE Systems as an enhanced Self-Test and diagnostic tool.

FEATURES

The GT1034 provides 2- and 4-wire resistance, AC, DC, and frequency references in a variety of ranges. The GT1034 is a full size ISA board. To simplify the operation of the GT1034, all references are accessible over a 9-pin connector using internal multiplexing. The various references share four common busses:

- Measure bus, Hi and Lo
- Sense bus, Hi and Lo
- External bus, Hi and Lo
- Voltage divider network, Hi and Lo

PROGRAMMING AND SOFTWARE

The board is supplied a 32-bit DLL driver. Various interface files provide access to the DLL from programming tools and languages such as ATEasy, LabVIEW, C/C++, Microsoft Visual Basic®, Delphi, and more. The available virtual panel can be used to interactively adjust and control the instrument from a window that displays the current instrument settings and measurements.

On-Line help file and PDF User's Guide provides documentation that includes instructions for installing, using and programming the board.

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SPECIFICATIONS

ACCURACY	
1, 10, 100, 1 K, 10 K, 1 M 10 M, 100 M	0.005% 0.01%
DC Volt ± 9 V, ± 0.9 V, ± 90 mV, ± 9 mV	0.05%
AC Volt 4.5 V, 0.45 V, 45 mV, 4.5 mV	0.075%
Frequency 1 kHz, 10 kHz, 100 kHz, 1 MHz, 10 MHz	± 100 ppm

Note: Specifications are subject to change without notice

ORDERING INFORMATION

GT1034	Precision reference board. DC, AC, 2-wire, and 4-wire ohm references
ACCESSORY	
GT96203	Replacement Industrial Relay for GT6064-I/GX6264-I and GT1034
GT94101	Mating connector for GT1034 (9 pin male)
GT94102	Mating connector for GT1034 with 1' harness
GT94103	Mating connector for GT1034 with 3' harness
CALIBRATION	
GT94100	Calibration service for GT1034