PC-Based Programmable Data Generator PG2000 series

Acute-PG2000 provides many popular data forms and friendly USER interface so that it may be easily programmed, such as "Direct Draw DATA waveform", "TEXT file convert", "Altera waveform convert", "Acute LA waveform convert" and so on.

Best Software and Hardware Interface

The PG2000 has the best Windows UI and portable features (Parallel/**USB** optional), so it is simple to connect with your PC and Notebook.

Application

By using Acute LA2000P, you can capture unknown system data signals and reform them by the PG2000. The PG2000 will output these data immediately. If you combine LA2000P and PG2000 together, it becomes an auto-test and auto-certification system.

Acute will also continually provide other popular interface programs such as PLD and FPGA simulation utility, Test Vector transfer, and more.

For more information about Acute products and the PG2000, please visit our web site. We also provide **free software for your evaluation**.

Acute PG2000 can generate any data

With 10ns resolution, up to 20~50 channels, 1.5v-5.5v output voltage adjustable, including multi functions; it is easy to edit data and output them to other systems. You may save your time for circuit testing and rebuilt these experiments very soon.

Purpose

Not only can you apply the PG2000 for circuit emulation, IC tests and ROM simulation, but also you can use for protocol simulation and IC programs.

Programmable Data Generator PG2000 series equipment

		PG2050
1.	PG2000 mainframe	1
2.	Signal isolation amplifier box	5
3.	Extended Signal isolation box	1
4.	Signal connector/10-color 1x10 line	5
5.	Special Signal connector/1x12 color line	1
6.	Ground line/black 1x2 line with red mark	6
7.	Probe(Red)	68
8.	Interface card(PCI)	1
9.	Interface card connected cable(25 pins)	1
10.	Power transfer cable	1
11.	12VDC 2A Regulator (optional for External)	1
12.	Printer Round cable (optional for External)	1
13.	Installation CD	1
14.	Manual	1
15.	Screw	1

1.	2.	3.	4.	5.	6.

7.	8.	9.	10.	11.	12.

Programmable Data Generator －

Acute PG2000 Series Specification & Characteristics

Specification & Characteristics		PG2050
Power	Power Source (Internal/External)	PC Power / Adapter (12V)
	Static Power Dissipation	2.4W
	Max Power Dissipation	< 12W
Interface	Internal	PCI card
	External	Parallel Port / (**USB optional)**
Number of Output Channels		50
Operation Clock System	Internal Operation Clock Range	100MHz ~ 1Hz
	Internal Operation Clock Mode	100/80/75M; <75MHaz Adjustable (Fine tune)
	Internal Operation Clock Output Channels	1 Channel (in Extended POD)
	External Operation Clock Range	<75MHz
	External Operation Clock Mode	Internal/External Clock Logic Not , And
	External Operation Clock Input Channels	2 Channels (in Extended POD)
Data Flow Control		Loop Jump Wait for Event Branch(If command)
Output Type		POD A-E: 1.5v-5.5v with 255 scales Extended POD: UART, I2C
UART Baud Rate		110-256k baud
Fan out		8 TTL
Data Skew		< 3ns
Memory	Depth per channel	Standard size: 64k bits Special Max: 512k bits
Event	Internal Event	Hot Key
	External Event Channel	3
	External Event Mode	Events Not, Or
	External Event Threshold	TTL Level
Temperature	Operating Temperature	5°C ~ 45°C (41°F ~ 113°F)
	Storage Temperature	-40°C ~ 75°C (-40°F ~ 167°F)
Software Features	Operating System	Windows 95/98/NT/ME/2000/XP
	Save & Load Waveform	Yes
	Print Waveform	Yes
	Regular Waveform Generator	Synchronous Counter Asynchronous Counter I^2C master output UART (RS232) Printer (SPP)
	Waveform Editing Interface	Waveform Drawing Script File
	Waveform Transfer	LA1000(.LAW) Altera(.TBL) Customer Requirement
Volume	Length x Width x Height (mm)	197 x 147 x 42 mm

System Requirement

♦ PC INTEL Pentium 100 Compatible PC or above

♦ One PCI Slot (for Internal), Parallel port (EPP/Bi-direction) or USB port (for External)

♦ PC memory size above 64M Bytes

♦ Hard Disc empty space over 32M Bytes

♦ CD-ROM drive (for driver and software application installation)

♦ 640x480 VGA above, 800x600 recommended

♦ Printer (optional)

♦ Windows 95/98/NT/ME/2000/XP operation system