

HEWLETT-PACKARD

HP 82302A Using HP BASIC for Instrument Control A Self-Study Course

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If you need to learn how to control instruments with HP BASIC, this self-paced course is ideal for you. You can learn HP BASIC interfacing techniques without a lot of expense and without the need to travel away from home. The course will enable you to quickly begin writing HP BASIC instrument-control programs for your HP 9000 Series 200 or Series 300 computer, or your HP BASIC Language Processor/PC system.

Designed to meet the needs of the beginner as well as the more experienced programmer, the course introduces a wide variety of HP BASIC programming techniques. It consists of 3 parts, each containing 10 lessons:

- *Part 1 covers general programming, starting at the beginner's level. The beginner should start with lesson 1, but you may only want to "brush up" if you already have experience with HP BASIC.*
- *Part 2 introduces HP-IB concepts and I/O programming. Topics include outputting data and commands, entering data and device status, formatting data, and bus control techniques. The "top-down" approach to I/O programming is described.*
- *Part 3 presents more advanced I/O programming topics including interrupts, passing parameters, buffered I/O, custom bus commands, and optimizing performance.*

Supported Platforms

The course supports the following HP BASIC platforms:

- HP 9000 Series 200 and Series 300 Computers.**
- HP 82300A/B/C BASIC Language Processor installed in an HP Vectra PC or IBM AT-compatible PC.
- HP PC-300 Controllers.
- HP Series R Controllers.

Features

The self-study course provides the following features:

- Friendly, tutorial style. You can learn at your own rate in the convenience of your own office or lab.
- A wide variety of HP BASIC techniques are covered. The first few lessons are appropriate for the beginner, but the advanced lessons cover topics for the expert. Thus, you won't "outgrow" the course soon.
- Practical examples of instrument-control programs are given on flexible disk. Many of these examples involve real HP-IB instruments. You can use these programs "as is," or you can modify them for your own applications and instruments.

Course Materials

The following materials are included in the course:

- An 800-page illustrated course in three parts, provided in two loose-leaf binders.
- One 3.5-inch flexible disk and one 5.25-inch flexible disk, each containing example programs and solutions to problems. Both disks are LIF formatted and contain identical software.

Price and Availability

The self-study course (HP 82302A) is priced at \$395 (U.S.A. list). Contact your Hewlett-Packard sales representative or local HP sales office for further information.

* Data subject to change without notice.

** The course supports HP 9000 Series 300 computers either with the HP Series 200/300 BASIC operating system, or with HP BASIC/UX running under the HP-UX operating system.

