

53B-PCX PERSONAL COMPUTER COMPATIBLE INSTRUMENT

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## 53B-PCX PERSONAL COMPUTER COMPATIBLE INSTRUMENT

### DESCRIPTION

The 53B-PCX Instrument is a CDS Smart Hardware System configured for control by an IBM or IBM compatible Personal Computer (PC).

The 53B-PCX System is interfaced to the PC using the CDS supplied 53A-903 I/O Card and the 53A-716 IEEE-488 interconnect cable. The 53A-903 I/O Card is installed in the rear of the PC and connected to the 53A-PCX Card Cage with the 53A-716 Cable.

The 53A-903 I/O Card provides an IEEE-488 interface port from the PC conforming to the industry standard set forth in the IEEE publication "Standard Digital Interface for Programmable Instrumentation and Related System Components (IEEE Std. 488-1978)." IEEE-488 is also known as HP-IB, IIB, and GPIB by instrument manufacturers.

The configured 53B-PCX System consists of the following hardware and documentation items:

- 53B-003 Card Cage with Rack Mounting Brackets and Handles (pair) and Chassis Slides (Pair)
- 53A-128 Communications Card
- 53A-171 Control Card
- 53A-716 IEEE-488 Cable (2 Meters)
- 53A-903 I/O Card
- 53 Series Operating Manual in binder P/N 00000-10012
- 53 Series Service Manual in binder P/N 00000-20012

Each of the above hardware items is described in its respective Operating and Service Manual.

## INSTALLATION

The 53B-PCX System is shipped with the card cage handles, the rack slides and rack mounting brackets (ears) attached to the 53B-003 Card Cage.

Instructions for installing the 53A-128 Communications Card, the 53A-171 Control Card, the 53A-716 IEEE-488 Cable in the 53B-003 Card Cage and the 53A-903 I/O Card in the IBM PC or PC compatible computer are contained in the 53/63-PCX portion of the Getting Started section of the 53/63 Series Operating Manual.

### Rack Mounting

The portion of the rack slides that are to be installed in the 19 inch NEMA equipment rack where the 53B-PCX is to be mounted, are boxed as a separate item in the 53B-PCX shipping container. Included in the rack slide box are the hardware and extension brackets to attach the rack slides to the equipment rack. See the rack mounting instructions and diagram in the 53B-003 Operating Manual for a detailed description of how to rack mount the 53B-PCX System.