

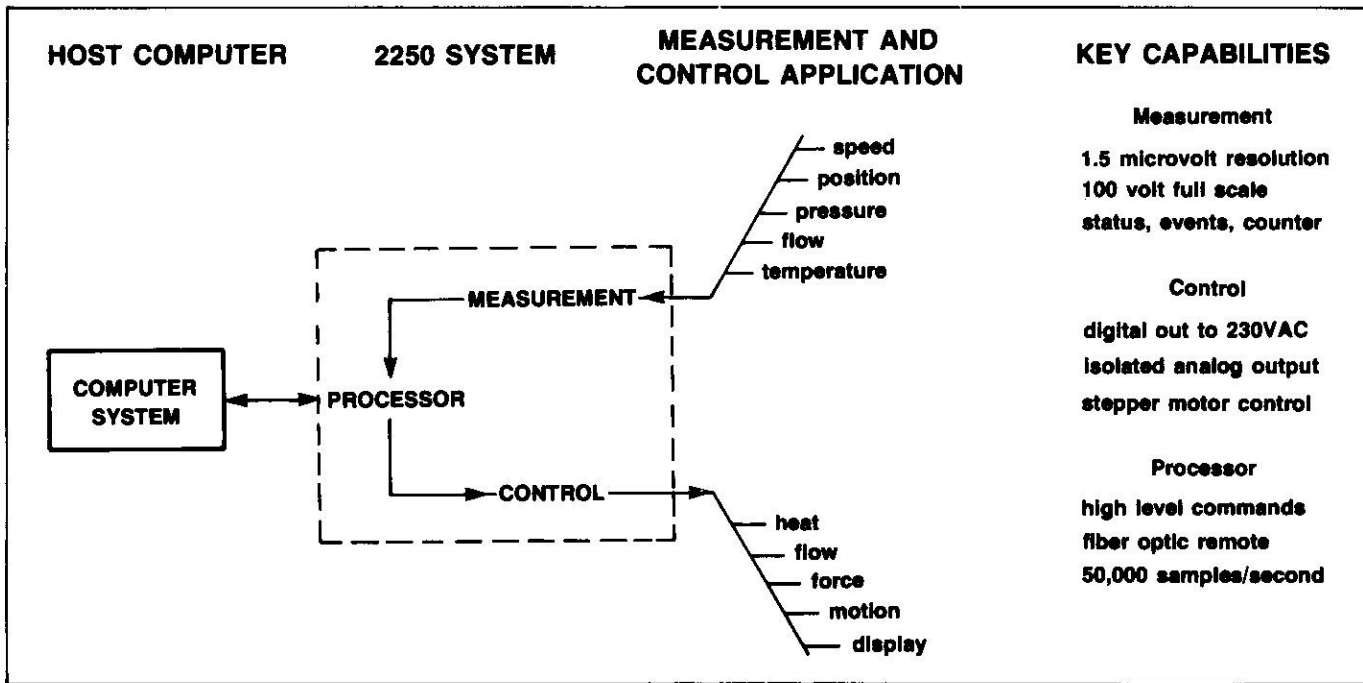
# HP 2250 SYSTEM DESCRIPTION

## INTRODUCTION TO THE 2250

The HP 2250 Measurement and Control Processor is an analog/digital subsystem designed to handle a wide variety of industrial and laboratory automation applications. The 2250 is programmed using HP MCL/50 language and communicates with a host computer via the Hewlett-Packard Interface Bus (HP-IB)\*. The host computer can be (for example) an HP 1000 Series Computer or a 9800 Series Desktop Computer.

The 2250 can be interfaced to the host with local HP-IB, remote HP-IB (up to 1000 metres using coax or fiber-optic cable) or remote connection to any HP 1000 computer via a DS/1000 link when an optional L-Series microcomputer is used.

As shown in Figure 1-1, the 2250 acts as an interface between the host computer and the measurement and control application (process). By using the host to download programs to the 2250, the 2250 can take measurements of parameters (such as speed, position and temperature), process the data and provide control to process variables such as heat, flow and motion.



The 2250 Concept

\*HP-IB is the Hewlett-Packard implementation of IEEE Standard 488-1978, ANSI Standard MC 1.1 and IEC Publication 625-1.