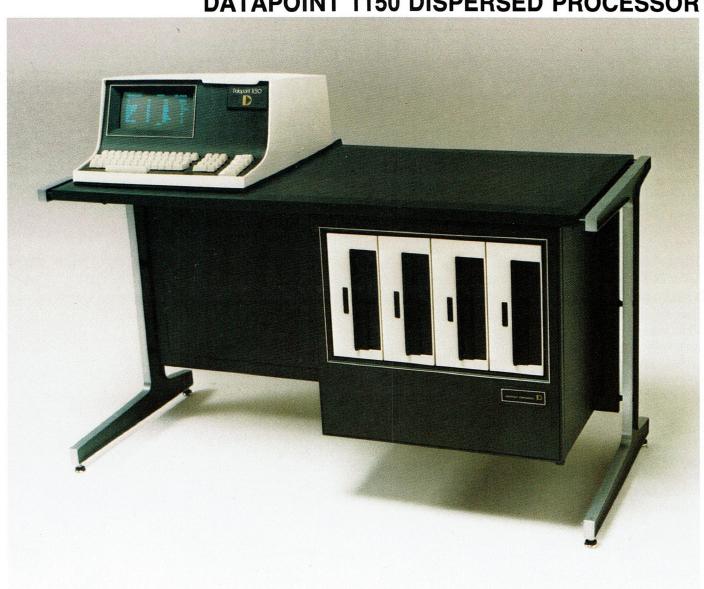
# **DATAPOINT 1150 DISPERSED PROCESSOR**



# DATAPOINT 1150 DISPERSED PROCESSOR

A powerful combination of processing and data storage capabilities, the Datapoint 1150 is an important member of the Datapoint family. It is equipped with an advanced business processor (5500-type) and extended user memory, and offers the convenience and ease of the diskette storage medium.

The larger memory size permits usage of sophisticated software and is designed for applications where more complex operations are required, such as concurrent data entry (or processing) and communications. The large user memory (24K) and speed gives the user more power where it is needed.

The Datapoint 1150 enables users to implement a real-time Dispersed Data Processing system. allowing network communications to run concurrently with other processes such as intelligent data entry, report generation, or batch transactions.

The processor features the efficient 5500 instruction set, including powerful memory address indexing and basing capabilities, segmented and protected memory, double precision arithmetic, 16 registers, multiple-byte I/O transfers, state saving and restoring, and privileged instructions. System performance is further enhanced by an increased machine speed (instruction cycle time) of twice that of the Diskette 1100.

The Diskette 1150 is available with 2, 3, or 4 diskette drives, and comes equipped with a high-speed display screen.

#### **Functional Characteristics**

#### Processor:

2 sets of 8, 8-bit program accessible registers 16 deep pushdown stack Special 4-bit instruction modification register Multi-byte (string) instructions Address manipulation instructions High speed parallel I/O System Block transfer instructions

#### Keyboard:

Standard typewriter, 55 keys 11 Key numeric pad 5 control keys Audio tones

Video Display:

7x3.5" viewing area 80 columns by 12 rows, 960 character positions

Upper and lower case plus special characters

5x7 dot matrix for high legibility Programmable display memory allows generation of 128 characters under program control.

High speed character display

#### Diskettes:\*

Up to four drives 256,256 characters/drive Average access time: 83 milliseconds Completely processor controlled \*See Diskette listing in the catalog for detailed specifications

#### Memory:

4K reserved for system memory 24K user memory, maximum 0.8 microsecond access Parity checking Parity bit Memory allocation Memory protection

# **Physical Characteristics**

## Equipment Dimensions:

Width: 53.0 in. (134.6 cm) 28.0 in. (71.1 cm) Height: Depth: 24.0 in. (60.9 cm)

Weight: 247 lbs. (112 kg)

#### Power Requirements:

115 VAC, 50 or 60 Hz (230 VAC, 50 or 60 Hz optional)

## Environment:

50 to 100 degrees F (10 to 38 degrees C) 40 to 60% relative humidity, non-condensing

# Model Codes

1152 Datapoint Diskette 1150 Two Diskette Drives, 115 VAC, 50 or 60 Hz 1153 Datapoint Diskette 1150 Three Diskette Drives 1154 Datapoint Diskette 1150 Four Diskette Drives 5163 230 VAC, 50 or 60 Hz Power Option