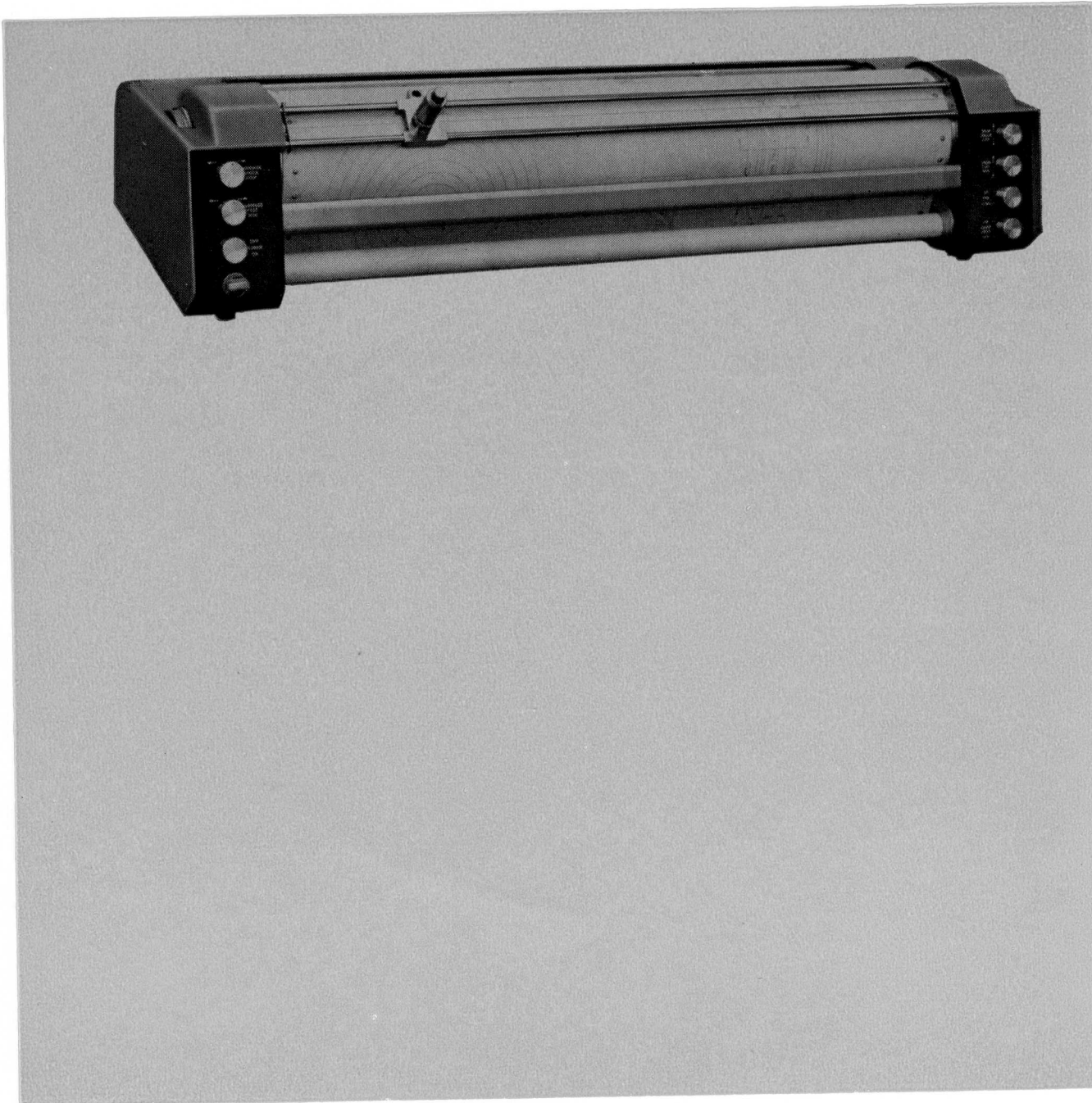




I.C.T 1900 SERIES

DIGITAL INCREMENTAL PLOTTERS 1934



DESCRIPTION

The 1934 series of Digital Incremental Plotters each consists of a Calcomp plotter unit mounted on a pedestal and adapted for connection to any of the central processors in the 1900 series.

- Resolution of .01 or .005 inch
- 12,000 or 18,000 digital steps per minute
- Plots up to 29½ inches in width and 120 feet in length

DIGITAL INCREMENTAL PLOTTERS 1934

Plotter Unit

The paper on which plotting takes place is wound on two rollers and passes over a rotatable plotting drum. The plotting pen carriage is mounted over the drum on a traverse arm which enables it to move parallel to the drum axis. The plotting action is obtained by step motions of drum and/or pen, permitting each step to be in any one of eight directions in the X-Y plane on the paper.

The operations available are:

Drum step forward	—X direction
Drum step backward	+X direction
Pen step left	+Y direction
Pen step right	—Y direction
Simultaneous drum and pen steps	four diagonal directions
Pen down	
Pen up	

Each operation is represented by a data character, and sequences of operations are effected by the transfer of streams of data characters to the plotter.

All plotting, whether of discrete points, continuous curves, or symbols, is accomplished by the stepping action of the drum and the pen carriage, thus eliminating drift and giving complete flexibility in the selection of curve identification symbols, scale markings, labelling and titling.

Paper alignment is automatically maintained by sprockets on the drum. Micro-adjustment of step size, to compensate for paper shrinkage resulting from changes in humidity, is accomplished by a calibrated vernier control on the 29½ inch width models.

Translucent and vellum papers for the plotters are available in 120-foot rolls either blank or with preprinted grids. Grids are available with 10, 20 or 25 divisions per inch, or with log or semi-log ruling.

Control

Control circuits to link the plotter to the 1900 series of central processors are housed in the pedestal-type cabinet upon which the plotter is mounted. Power supplies are also incorporated.

SPECIFICATION

Model No :	1934/1	1934/2	1934/3	1934/4	
Speed : X—axis	12,000	18,000	18,000	18,000	steps per minute
Y—axis	12,000	18,000	18,000	18,000	steps per minute
pen	600	600	600	600	operations per minute
Step Size	.01	.005	.01	.005	inch
Chart Paper :					
Width	31	31	12	12	inches
Plotting width	29½	29½	11	11	inches
Length	120	120	120	120	feet
Sprocket					
Diameter	.188	.188	.130	.130	inches
Sprocket					
Spacing	.5	.5	.375	.375	inches
Data Transfer Rate	200	300	300	300	characters per second
Size :					
Height	47	47	47	47	inches
Width	40	40	35	35	inches
Depth	21½	21½	21½	21½	inches

This specification is subject to modification

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