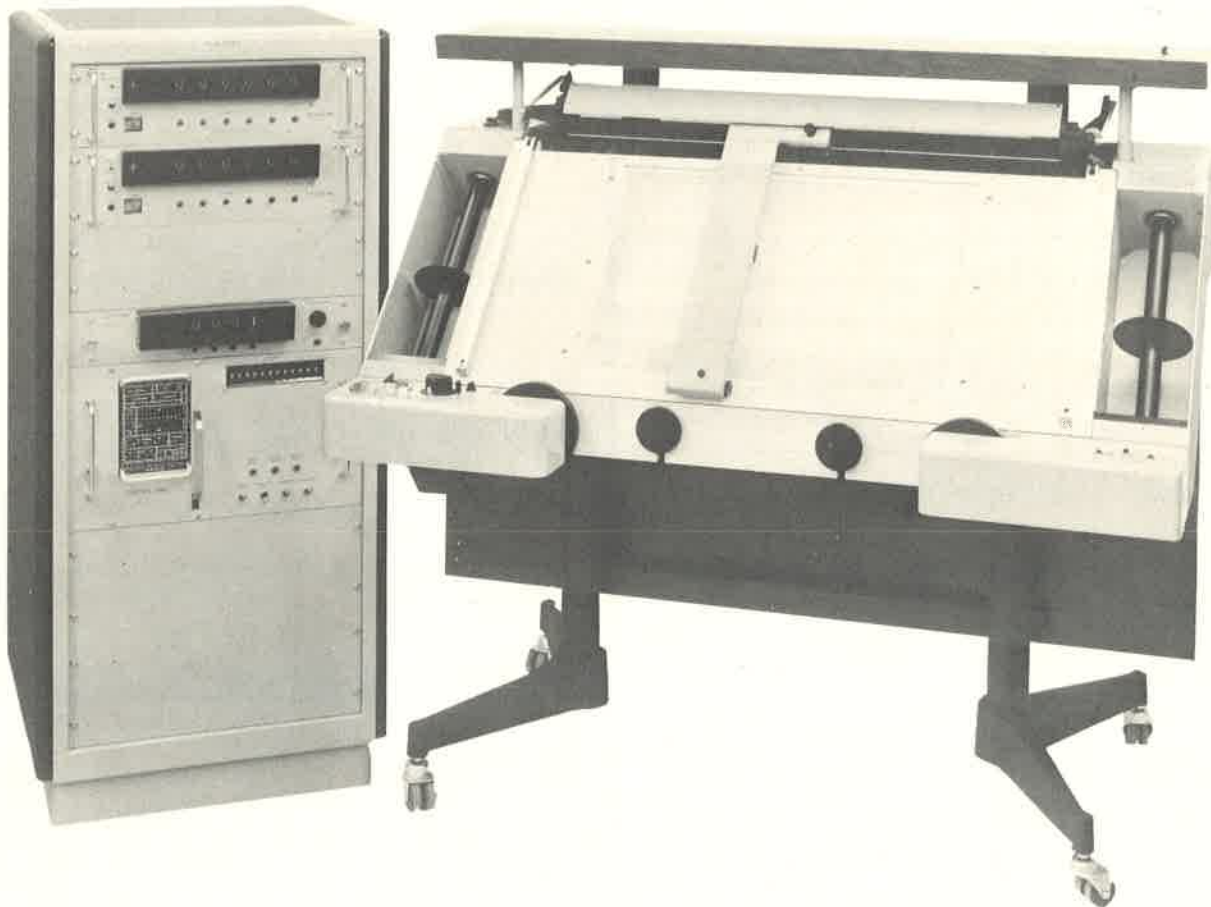


BROOMALL INDUSTRIES

DIGITIZING SYSTEMS

Model 099D



The 099D DATAREDUCER is an extremely versatile, rugged record reader and digitizing system for semi-automatic record reduction of oscillograms of which one or more parameters are traced graphically as functions of another variable or time. For subsequent data analysis, data readout from the 099D may be converted to typewritten lists, punched cards, punched paper tape, or recorded directly onto magnetic tape through the Telecordex 282M solid state readout system. Direct X-Y axis record reading is accomplished by positioning the magnified cursor (cross-hairs) in relation to the data point to be measured. The motion of the cursor is directly communicated to the 15A Magnetic Read Heads which produce a digital change in position of the cursor. The 099D will handle opaque or translucent records

up to 16 inches wide or in roll length. A motorized transport allows high speed editing as well as data analysis.

Other features include:

- Selectable Scaling 1 to 1, 2 to 1, 4 to 1
- Solid State Bi-directional Counters with Nixie Display
- Instant Format Control with a removable patch panel
- Motorized Paper Transport
- Guaranteed non-obsolescence with the Telecordex electronics system

099D DATA REDUCER

STANDARD FEATURES

reading area	16" x 24" usable area. Accepts paper in rolls up to 5" in diameter, up to 16" in width.
reading accuracy	± .010 overall system accuracy. Limited by human factors and record quality.
output	024/026/029 Keypunch or 523 Summary Punch.
visual readout	5 digit display and readout (Nixie), indicating the sign and 5 digits in each axis.
storage	±99,999 in each axis.
resolution	200, 400 or 800 counts per inch with the Magnetic Read Head, Type 15A.
counting rate	50,000 counts per second.
identification	12 fixed data digit switches are provided for entering fixed data following readout.
format control	Removable operator's programmable patchboard allows formats to be generated to suit the specific problem.
cursors	Plexiglass cursors with scribed lines provide fast, accurate positioning. Four different cursors provided for a wide variety of uses.
motor driven paper transport	Bi-directional, variable speed paper advance for roll type records.
paper hold down	Weighted arms on either side of the light table hold the record in place.
viewing screen	Backlighted viewing screen with variable lighting intensity.
environment	+40°F to +85°F.
power requirements	115V ±10V, 60 cycle, single phase, 250 watts.

OPTIONAL FEATURES

output	Punched paper tape, Electrotyper, Magnetic tape using 282M Telecordex and 556 bpi incremental tape transport.
readout	4 digit event display (Nixie) counter. Displays a running count of recorded readouts, and may be set to advance in selected increments of 0 thru 9 with each readout as an accumulator for card sequence control.
visual readout	6 digit display and readout (Nixie), indicating the sign and 6 digits in each axis.
multi channel	Two decade channel counter and Four decade time line counter.
keyboards	A variety of Keyboards are available for Serial or Parallel entry of data.

MECHANICAL SPECIFICATIONS

size	099D: 50" tall, 54" wide and 30" deep. 282E: 53.5" tall, 23" wide and 29.5" deep.
weight	099D: 250 pounds (approx.) 282E: 350 pounds (approx.)
construction	Cast aluminum frame, mounted on casters. Best commercial construction standards.
color	Light blue with gray trim.

WARRANTY

Purchase of the 099D includes installation by a factory trained field engineer and a 90 day warranty from date of installation