

SPECIFICATION

GIER
ELECTRONICS

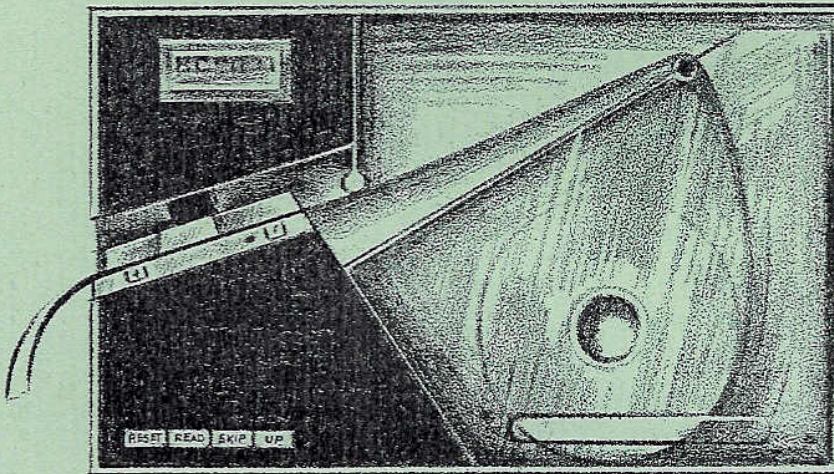
RESET

READ

SKIP

UP

HARDWARE



PAPER TAPE READER

The RC 2000 Paper Tape Reader reads at 2000 characters or 5 meters (ca. 16.5 feet) a second. Moving parts have been reduced to a minimum through the use of electronic functions, and uniform light intensity at the read head is automatically ensured. Free unwinding of tapes facilitates rapid loading – about 3 seconds – and eliminates feed difficulties and tape breakage.

The high-speed RC 2000 can be used on-line for input of data, programs, and the like to electronic computers or employed as a general purpose input device in conjunction with magnetic tape stations and/or other peripherals, e.g. in off-line data conversion with the RC 3000 Converter (see Specification). Besides being a fully transistorized, photo-electric reader, the RC 2000 incorporates the Servo Input Buffer System.

Normally RC 2000 accepts perforated paper tapes of the following types, punched in any suitable opaque medium:

Type	Number of Tracks	Nominal Width
One Inch	8 maximum	25.4 mm (1")
Seven-Eighths Inch	7 maximum	22.2 mm (7/8")
Olivetti (rectangular holes)	6	20.5 mm
Eleven-Sixteenths Inch	5	17.5 mm (11/16")

Spliced tapes can also be read by RC 2000. Splicing is easily done with a special transparent, adhesive tape.



Switching from one tape width to another takes only a second, turning the two tape width selector knobs on the front panel. A paper out control causes RC 2000 to stop at the physical end of tape; all further input to the Buffer is blocked, and the pressure lid, which holds the tape in place in the tape guide, springs up to facilitate reloading.

Servo Input Buffer System

The RC 2000 incorporates a servo input buffer system, whereby the number of unprocessed characters in a 256-word core store regulates the reading speed. By employing this core store as a buffer between RC 2000 and the computer or other processing device, it has been possible to let the tape be driven by a simple servo motor, thus eliminating abrupt starting and stopping and the resulting risk of tape breakage.

The Servo Input Buffer System can easily be adapted to control other input devices, such as a punched card reader or an optical reader.

CHARACTERISTICS

Size: width 52.0 cm, depth 46.3 cm, height 32.6 cm

Weight: 36 kg

Reading Speed: 2000 char/sec

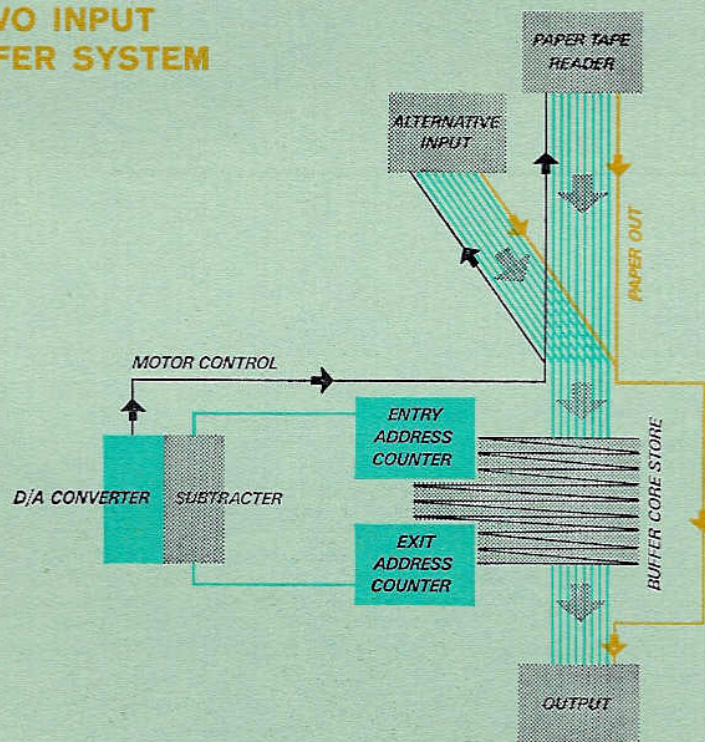
Tapes Accepted: widths equivalent to 5, 7, 8, and Olivetti 6 track tapes

Power: 50-60 Hz; 115, 127, 220 V
 maximum power: 119 kcal/h (138 W)
 maximum line current: 1 A at 220 V
 fuses in mains connection: 6 A

Environment

cooling air: 120 m³/h from ambient
 air temperature: 15-30° C
 relative humidity: 40-70 %

SERVO INPUT BUFFER SYSTEM



A/S REGNECENTRALEN
 FALKONERALLE 1
 COPENHAGEN F. · DENMARK

A/S SCANIPS
 SORGENFRIGATE 11
 OSLO · NORWAY

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