

# RC



## **RC 2500 PAPER TAPE READER**

- 2500 characters/second reading speed.
- Fully integrated, photo-electric reader.
- 5, 7 and 8 track tapes plus Olivetti 6 track tapes.
- Backed by nearly ten years' experience in the development and application of high-speed paper tape input techniques.



## Speed

The RC 2500 reads paper tapes continuously at a speed of approximately 7 meters/second. This corresponds to 2,500 characters/second for standard round hole formats, or 2,000 characters/second for the Olivetti rectangular hole format.

The RC 2500 can transfer bursts of up to 192 characters intermittently at speeds of up to 200,000 characters/second depending on the number of unprocessed characters in the buffer store.

## Reliability

The RC 2500 is a fully integrated, photo-electric reader containing a semiconductor buffer store of 256 characters. Electronic functions are used wherever possible in order to reduce the number of mechanical parts to an absolute minimum.

## Versatility

The RC 2500 reads paper tapes punched in any opaque material, accepting both standard round hole formats, in widths equivalent to 5, 7, and 8 tracks, and the rectangular hole, 6 track format used by Olivetti.

## Fast, easy operation

The RC 2500 can be loaded in seconds due to the absence of pinch rollers and mechanical clutches. All operator controls are found on the front panel, and tape format is changed by turning a single knob. The rear panel of the tape chamber adjusts automatically to the width of the tape being read to prevent the roll from wobbling.

## Characteristics

Reading speed:	from 0 to 2500 characters/second (maximum 3000 characters/second)
Character size:	maximum 8 bits
Tape widths:	5 tracks: 17.5 mm 6 tracks (Olivetti): 20.5 mm 7 and 8 tracks: 25.4 mm
Intercharacter spacing:	minimum 2.54 mm center to center
Tape media:	any opaque material
Tape thickness:	maximum 0.3 mm
Tape length:	maximum 300 m
Tape roll diameter:	maximum outer 200 mm
Power:	220 V AC $\pm$ 10 % (other voltages on request), 50-60 cps, 200 W
Ambient air:	temperature: 10-40°C relative humidity: 30-70 %
Cooling air:	self-ventilating from ambient 170 kcal/hour
Size and weight:	width: 52 cm depth: 46 cm height: 37 cm weight: 35 kg

Interface for IBM 360/370 is available.

Connection is made by means of an interchangeable interface, specially designed to order. In virtue of its long experience in the development and application of high-speed paper tape input techniques, RC is able to accommodate practically all requirements with regard to levels and impedance depending on the connection desired.



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