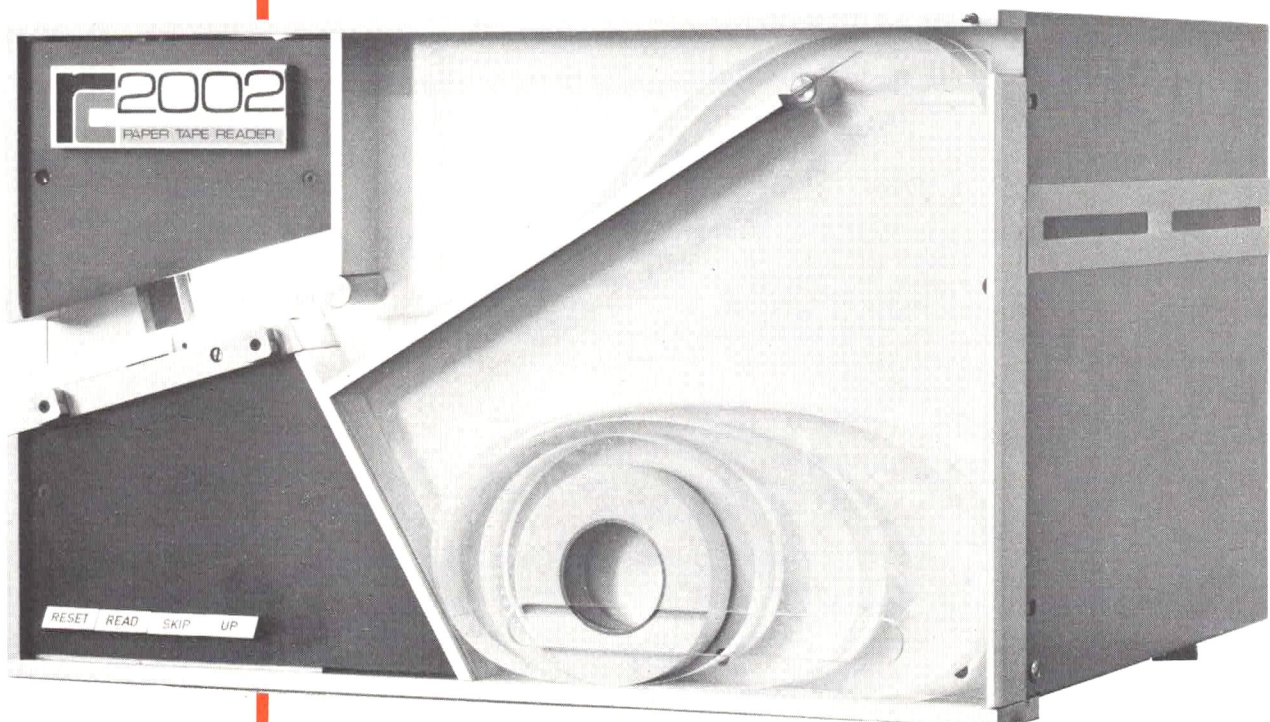


# RC2000

## OEM Paper Tape Reader

- THE NEW SERIES OF OEM PAPER TAPE READERS;  
RC 2001 AND RC 2002.
- RC 2001-1000 CHARACTERS/SECOND READING SPEED.
- RC 2002-2000 CHARACTERS/SECOND READING SPEED.
- FULLY INTEGRATED, PHOTO-ELECTRIC READER.
- 5, 7 AND 8 TRACK TAPES PLUS OLIVETTI 6 TRACK TAPES.
- BACKED BY MORE THAN TEN YEARS' EXPERIENCE  
IN THE DEVELOPMENT AND APPLICATION OF  
HIGH-SPEED PAPER TAPE INPUT TECHNIQUES.



# General

Unlike most readers, the RC 2000's do not employ any physical start-stop operation character by character. During reading characters are temporarily stored in a cyclic buffer of 1024 characters, from where they are transferred to the computer. The number of unprocessed characters in the buffer are fed back through a servo system which sets the actual reading speed.

Apart from reducing tape breakage, the servo input buffer system permits characters in the buffer to be accessed at speeds much higher than the actual reading speed.

## Characteristics

The RC 2001 and RC 2002 read paper tapes at speeds of 2.5 and 5 meters/second respectively. This corresponds to 1000/2000 cps for standard round hole formats, and 800/1600 cps for Olivetti rectangular hole formats.

The RC 2000's can transfer bursts of up to 760 characters intermittently at speeds of up to 625,000 cps depending on the number of unprocessed characters in the buffer store.

The RC 2000's are fully integrated photo-electric readers containing a semi-conductor buffer store of 1024 characters, each 8 bits. Electronic functions are used wherever possible in order to reduce the number of mechanical parts to an absolute minimum.

The RC 2000's read 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.

The RC 2000's can be loaded in seconds due to the absence of manually operated pinch rollers and mechanical clothes. All operator controls are found on the front panel, and tape format is changed by turning a knob.

The RC 2000's are fully interface compatible with the RC 2500 paper tape reader.

Additional equipment include the RC 2600 automatic tape winder, which winds all tape formats with a speed automatically adjusted to the actual paper tape speed. RC 2600 will accommodate up to 300 meters of tape (a roll of 20 cm in diameter). The maximum winding speed is 8 meter/second. The height of the winder is adjustable.

The optional RC 2010 provides an adequate stand for the reader when not placed on the computer console. A bin at the back of the stand keeps the cables out of the way and shelves inside accommodate paper tapes and accessories. The height of the stand is adjustable.

## Specifications

	RC 2001	RC 2002
<b>Reading speed:</b>	from 0 to 1000 cps	from 0 to 2000 cps
<b>Character size:</b>	maximum 8 bits	
<b>Tape widths:</b>	5 tracks: 17.5 mm	
	6 tracks: 20.5 mm	
	7 and 8 tracks: 25.4 mm	
<b>Intercharacter spacing:</b>	minimum 2.54 mm center to center	
<b>Tape media:</b>	any opaque material	
<b>Tape thickness:</b>	maximum 0.3 mm	
<b>Tape length:</b>	maximum 300 m	
<b>Tape roll diameter:</b>	maximum outer 200 mm	
<b>Power:</b>	220 V AC $\pm$ 10 %	
	(other voltages on request),	
	50-60 Hz, 235 W	
<b>Ambient air:</b>	temperatur: 10-40° C	
	relative humidity: 30-70 %	
<b>Cooling air:</b>	self-ventilating from ambient	
	200 kcal/hour	
<b>Size and weight:</b>	width: 52 cm	
	depth: 46 cm	
	height: 33 cm	
	weight: 24 kg	



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