



I.C.T 1900 SERIES

PAPER TAPE READER 1916



DESCRIPTION

The 1916 Paper Tape Reader is an on-line input device which transfers data to the Central Processor via I.C.T Standard Interface.

It reads 5 to 8 track paper tape at speeds of up to 1,000 characters a second. Data are transferred one character at a time to the Central Processor under the control of integrated control circuits until the number of computer characters (maximum 128) specified by the program has been transferred, or until a specified End of Block character has been detected. The coding of the EB symbol is set in the reader by the operator and can be any character. Reading is photo-electric. It is not necessary for gaps to appear between blocks of data on the tape. On-line sprocket holes are required.

- Paper tape input at 1,000 characters a second
- Parity check assures accuracy
- Automatic conversion from I.S.O. code to 1900 code
- Handles 5, 6, 7, or 8 track tape
- Selection of odd, even or no parity

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Codes

The preferred code is the International Standards Organization seven-bit on eight-track tape. This is automatically condensed into a six-bit code by the control circuits. Otherwise no decoding is provided in the Reader, any translation necessary being carried out by program.

Accuracy

The reader will check parity if this has been punched in the tape and will stop if an error occurs, and inform the Central Processor accordingly.

Operator Facilities

By the use of plug-in printed wiring boards, the following conditions may be selected by the operator.

odd, even or no parity to be checked; five, six, seven or eight track to be read; choice of End of Block character (any code)

Tape Specification

The reader will accept any standard tape of ten characters to the inch with sprocket holes in line with the data holes.

Spooling

Spools of tape up to 300 feet in length can be read without power assistance. Spools up to 700 feet (seven inches diameter) can be catered for with an optional device. The tape is fed from the outside of the spool. After reading, the tape is fed into a bin mounted on castors which is supplied as standard with the Reader.

SPECIFICATION

Transfer rate 1,000 characters a second

Packing density 10 characters to the inch

Tape speed 100 inches a second

Stop distance Stop on a character in a position to read the next character

Sprocket holes In line

Tape width One inch (optionally $\frac{7}{8}$ " or $11/16$ ") $\pm .002$ "

Tape thickness $.004$ " $\pm .0002$ "

PHYSICAL CHARACTERISTICS

	Reader	Bin
Height	49 inches	36 inches
Depth	22 inches	22 inches
Length	35 inches	35 inches

This specification is subject to modification

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