



PAPER TAPE READER — TYPE 196

One component of a new family of *Transistorized* common language machines for integrated data-processing in office, factory, and military applications.

FEATURES:

- Centre Unwind
- Bi-directional
- Can handle short lengths of tape
- Starts or stops in less than 1 ms.
- Solid state components throughout

TECHNICAL SPECIFICATION

General — A High Speed Paper Tape Reader capable of reading 5, 7 and 8 hole tape at a rate of 200 characters per second starting and stopping on each character. The machine is bi-directional and spooling is provided.

Mounting — Vertical hinge panel fitting a 19" relay rack; height is 24". Clearance required in front of panel — 2" — in rear of panel 12".

Weight — 35 lbs.

Power Input — 115V, 60 cycles, Single Phase, 240 VA.

Speed — Free running 270 characters per second \pm 5%.

Tape — 11/16", 7/8", 1" wide tape can be handled.

Reading — Photoelectric, using silicon solar batteries. If required, reading is possible on two adjacent characters simultaneously so that each character is read twice. In this way, with an external single character store, checking can be accomplished. Provision is made within the unit to accommodate the extra amplifiers. When a character is in the reading position it can be observed visually.

Outputs — 0 and -10V at current level of 10 m/a.

Spooling — 10½" reels holding approximately 1,000 feet of tape. Two different types of reel can be used so that tape can be fed either from the outside or from the centre of the reel. When using the centre feed rewinding is unnecessary.

Feeding — Short lengths of tape can be fed from the bottom through guide rollers without using the spooler.

Control — Manual start/stop and manual direction switch. Direction can also be reversed remotely.

Acceleration — If required the tape can be stopped within .01" of the point at which braking commences. If it is desirable to stop the tape at any particular character, braking action can be applied immediately the character enters the reading position and the tape will be halted with the character still reading.

Connectors — Barrier strip type connectors mounted near the hinge.

Circuitry — Card file type of construction using transistors throughout. D.C. power supplies are built in.



With standard 10½" reels



With special centre-feed reel

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DATA HANDLING... NUCLEAR CONTROLS... NUMERICAL CONTROLS... AIRBORNE INSTRUMENTS