



PHOTOELECTRIC TAPE READERS

Operate Under Computer Control or the control of any equipment to which they are feeding data.

Read Character by Character or Continuously at controlled high speed with a very low error rate — less than 1 error per million characters with good tapes.

Accept All Types of Perforated Tape including paper in all standard colors 0.003" - 0.005" thick or parchment, mylar and mylar-aluminum laminate.

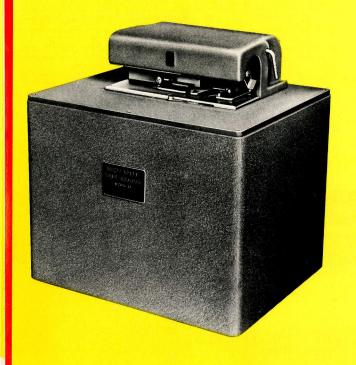
Accept Any Code on 5, 7, or 8 Hole Tape with simple tape width adjustment mechanism.

Handle Strip or Reeled Tape with no minimum length. 800 or 1,000 foot spooling available.

Easy and Rapid Tape Loading.

Tape Wear Minimized by Friction Drive. Sprocket hole associated with character being read used to locate tape and control reading minimizing errors due to variations in character pitch and to tape skew.

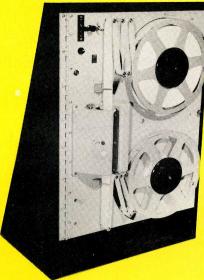
Models Available Suitable for Rack or Console Mounting Solid State or Vacuum Tube Photo-Sensing and Associated Circuits



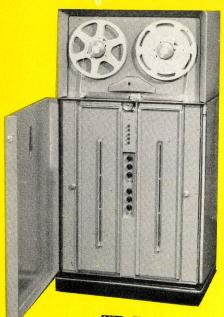
TR2B and 3B



TR 5



196 with Regular Spools



TR 7



SPECIFICATIONS

All'readers except the TR3 stop on the stop character. The TR3 stops on or before the following character.

Model	Reading Rate	Tape Widths	Electronics	Control	Output Signals Hole No Hole	Power Required	Spooling ***	Size	Weight
	STOCK PRODUCTION UNITS								
TR2B†	Up to 220 chars/sec.	5 and 7 hole	Vacuum tube: signal amplifiers: squaring circuit on sprocket hole.	External control cuit required.	cir- 0 volts — 20 volts	115 volts 60 cps + 300 & -300 volts: 5mA + 150 & -150 volts: 20mA. All ± 4%	External. Type All is suitable.	9"x11½"x11¼"	37 lbs.
TR3B+	440 chars/sec.	5 and 7 hole.	As TR2.	As TR2.	0 volts -20 volts	As TR2	External	$9''x11\frac{1}{2}''x11\frac{1}{4}''$	37 lbs.
TR5	Up to 330 chars/sec.	5, 7 and 8 hole	Solid state: Unit includes 8 signal amplifiers, brake controls & power supplies.	2 volts start signal.	2 volts — 5 volts	115 volts 60 cps	External Type All is suitable.	9"x11½x10"	34 lbs.
	AVAILABLE TO ORDER								
196	Up to 270 chars/sec in either direction.*	5, 7 and 8 hole	As TR5 but can be supplied for single reading or double reading at consecutive positions. Total of 8 or 16 outputs with single sprocket output.	at 1 milliamp: a	also	115 volts 60 cps	1000 Ft. NAB Spools	19"x24" relay rack panel. 2" clearance required in front, 12" at rear.	35 lbs.
197	Up to 270 chars/sec in either direction.*	5, 7 and 8 hole	As 196.	As 196.	0 volts - 10 volts	115 volts 60 cps	External	13½"x8½"x11¾"	24 lbs.
206 ets MIL-T-945)	Up to 200 chars/sec in either direction.*	7 hole	Gas phototube: silicon transsistor amplifiers: tube brake control circuits.	0 & — 15 volts to st changing to — 15 for run. 28 Volt rewind signal.	& 0 & complements	400 cps 3Ø 120/208 volts + 300, + 150, + 28 - 140 volts.	1000 Ft. NAB Spools	33"x17 ¹ / ₁₆ "x20 ⁵ / ₁₆ " Sealed Unit	85 lbs.
				AV	AILABLE SOON				
TR7	1000 chars/sec Rewind at 2000 chars/sec.*	5, 7 and 8 hole	Solid state: Unit includes signal amplifiers, brake controls & power supplies.		— 0.2 volts — 8 volts	115 volts 60 cps	1000 Ft. NAB Spools	29"x24"x48"	

^{*}Reversal control at reader or remote under manual or program control. **Accept any code. ***All readers will accept strip tape. +Direct Replacement For TR2 and TR3.

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