
Manual Swipe Magnetic Card Reader	3S4YR-HSR
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Economical, Manually-Operated Card Swipe Reader

- Compact, rugged design.
- Wide operating temperature range.
- Stable operation with card swipe speed within a range of 10 to 150 cm/second.
- Choose enclosed or open housing card readers to match application.
- Single and double track readers available
- TTL interface or RS232 interface.
- Screw-on cover.



Ordering Information

Track Reading	Enclosure	Part Number
Track1	Enclosed	3S4YR-HSR3
Track2	Enclosed	3S4YR-HSR4
Track3	Enclosed	3S4YR-HSR5
Track1+2	Enclosed	3S4YR-HSR6
Track2+3	Enclosed	3S4YR-HSR7
Track2 with RS232	Enclosed	3S4YR-HSFR4
Track2 with RS232 and Red/Green LED	Enclosed	3S4YR-HSFR4-L
Track2 with Keyboard Wedge	Enclosed	3S4YR-HSR4-KW

Specifications

Recommended card type	Magnetic Card: ISO 7810, 7811/1-5, 7812, 7813
Number of tracks	1 of 2, available in any combination.
Recording Method	F2F
Recording density	Track 1: 210 BPI Track 2: 75 BPI Track 3: 210 BPI
Memory Capacity	Track 1: 7 bit x 79 characters max. Track 2: 5 bit x 40 characters max. Track 3: 5 bit x 107 characters max.
Card Feeding Time	10 to 150 cm/second.
Sevice Life	Single Track: 300,000 passes minimum Double Track: 600,000 passes minimum

Operating Power Supply	5 VDC±10%
Current Consumption	Single Track: 25mA Double Track: 55mA
Mounting Location	Anywhere not directly subject to water or sunlight.
Ambient Temperature (Operation)	-10°C to 55°C without condensation
Ambient Temperature (Storage)	-30°C to 70°C
Ambient Humidity (Operation)	10% to 95% RH without condensation
Ambient Humidity (Storage)	10% to 95% RH
Vibration	10 to 55Hz, 2mm double amplitude, for 30 minutes in each of X, Y and Z directions.
Shock	300m/sec ² ; (30 G) in each of X, Y and Z directions.
Dimensions (With cover)	100 L x 32.5 W x 32 H mm
Dimensions (Without cover)	100 L x 27 W x 29.5 H mm
Weight	Approx. 90g enclosed unit, 60g open unit

Application Examples

- Remote terminals for computers.
- Credit card Readers.
- ID card checkers.
- Electronic locks.
- Automatic gate machines.
- Point-of-sale (PoS) systems.