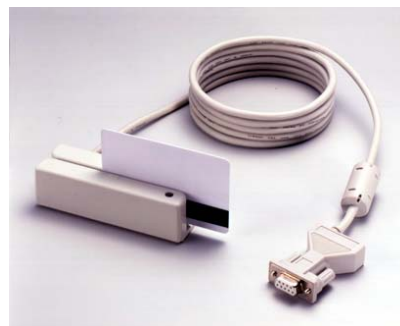


Magnetic stripe reader RS-232 interface **Uniform**

MSR 110

Manual swipe magnetic stripe reader. It reads high and low coercivity magnetic cards. RS-232 interface. Available in 1, 2 or 3 tracks.

- Read magnetic cards conforming ISO, AAMVA, JISII standards and custom data format.
- Manual and bi-directional swipe .
- Available for 1, 2 or 3 tracks.
- Read high and low coercivity (300-4.000 oe).
- Compact size, easy installation on a keyboard or any flat surface.
- Programable track data output. It's possible to program the number of tracks and the string of data to read.
- Beeper and led to indicate the read status.
- Reader to reader setup copy.



Technical specifications

Electrical	
Operating voltage	+5VDC +/-10%
Operating current	90 mA Max.
Power supply	230VAC/5VDC
Communication	RS-232
Mechanical	
Body material	ABS 94V-0
Weight	210 gr.
Dimensons	100Long x 34Width x 28High
Swipe	Manual, Bi-directional
Agency approval	
Rating	FCC/CE clase A, UL, cUL
Enviroment	
Operating cond.	-10 a 50 °C, 10 a 85% humidity
Performance	
Card type	Magnetic card as per ISO 7810, 7811/1-6, AAMVA, JISII & custom data
Read capability	Magnetic stripe single, dual or triple track of low or high coercivity (300~4000Oe)
Read speed	5~55 ips, ISO standard card 5~50 ips, Jitter card +/-15% bit to bit interval / Low amplitude card 60%
Card thickness	0.76 - 1.2 mm
Read error rate	<0.5%
Magn. head life	Min.300K swipes, 500k, 1M option.

Models

Model	Track		
	1	2	3
MSR110-02	-	R	-
MSR110-12	R	R	-
MSR110-23	-	R	R
MSR110-123	R	R	R

Interconnection

Cable	1,5 m, connector DB9
Pin assignment	
1, 4, 6	Short
2	TXD (transmit)
3	RXD (receiving)
5	Circuit ground
7, 8	Short
9	-
Default: 9600, 8 bit per character, none parity, 1 stop bit	

