

Manual Insert Magnetic Card Reader

MSR140 Series

- Read magnetic stripe conforms to ISO 7811
- Manual full or half insertion with RS-232 interface (TTL version available)
- Bi-directional
- Available in single, dual or triple track configuration
- Read high or low coercivity magnetic stripes (300-4000oe)
- LED to indicate read status
- CE, FCC, UL, cUL certified

Specification			
Electrical			
Power require	+5VDC +/-10%,(9VDC optional)		
Consumption	60mA Max.		
Power adapter	120VAC/5VDC, 350mA regulated		
	230VAC/5VDC optional		
Communication	Stander RS232 signal level		
Ripple	50mVp-p or less		
Dielectric strength	500VDC for 1 minute		
Mechanical			
Body Material	ABS 94V-0		
Weight	approx. 185g		
Dimension	125Lx60Wx21H mm		
Indicator	LED light indicate card in position		
Operation	Manual full or half insertion		
Environment			
Operating	-10 to 50, J0 to 85% humidity		
Storage	-30 to 70, J0 to 90% humidity		
Agency approval			
Rating	FCC class A, CE class A, UL, cUL		
Performance			
Read card	Bi-directional, insert and/orject		
Card format	Track 1	Track 2	Track 3
Bit per density	210 bpi	75 bpi	210 bpi
Coercive force	Read 300-400 oe Magnetic Stripe		
Read speed	STD card	Jitter +/-15%	Amp.60%
	4~40ip	5~35ip	5~35ip
Card Thickness	0.76-1.2mm,		
Error Rate	< 0.5%		
Head Life	Min.300K swipes, 500K,1M optional		

Model Configuration					
Model	Track			Insert	
	1	2	3	Full	Half
MSR140-02DACF	-	R	--	F	--
MSR140-12DACF	R	R	--	F	--
MSR140-33DACF	R	R	R	F	--
NSR140-02DACH	-	R	--	--	H
MSR140-12DACH	R	R	--	--	H

Interconnection	
Cable	5 feet, DB9 connector
DB9 Connector pin assignment	
1,4,6	Short
2	TXD / MSR140 transmit data
3	RXD / MSR140 receiving date
5	Circuit ground
7,8	Short
9	--
Default 8B00, 8 bit per character, none parity ,1 stop bit	

