Magnetic Low Coercivity Swipe Encoder

MSR106 Series

- Read/Write magnetic stripe cards conform to ISO 7811
- Read/Write magnetic stripe passbook conforms to ISO 8484
- Manual swipe read/write with RS-232 interface
- Read high or low coercivity magnetic stripes (300-4000oe)
- Write low coercivity magnetic stripes (300-600oe)
- Write and verify data simultaneously in one swipe single, dual or triple tracks
- Full featured DOS, WIN3.1 & WIN95 utility program included
- Programmable data format
- CE, FCC, UL, cUL certified

Specification			
Electrical			
Power Require	+9VDC +/-10%		
Consumption	Typical 300mA Max. 250mA plus for each writing track		
Power supply	External power adapter 9V/1.0A		
Communication	Standard RS232 signal levels		
Ripple	50mVp-p or less		
Dielectric strength	500VDC for 1 minute		
Mechanical			
Body Material	ABS 94V-0		
Weight	Approx. 1kg		
Dimension	200.4Lx60.4Wx55.7H mm		
Swipe	Manual, single direction		
Environment			
Operation	-10 to 60, 10 to 85% humidity		
Storage	-30 to 70, 10 to 90% humidity		
Agency approval			
Rating	FCC classB, CE classB, UL, cUL		
Performance			
Read card	Track 1	Track 2	Track3
Bit per density	210 bpi	75/210 bpi	210 bpi
	Read/Write Track2 at 210 bpi for Pass Book		
Coercive force	Read 300-4000 oe Mag. card		
	Write 300~600 oe Mag. card		
Card thickness	0.76-1.2mm		
Read speed	STD card	Jitter +/-15%	Amp. 60%
	5~55ips	5~50ips	5~50ips
Write speed	5~35ips		
Write jitter	Interval<+/-10%, Sub-interval<+/-12%		
Error rate	Read < 0.5%		
	Write < 0.8%		
Head life	Min. 500K swipes for both read/write head		

Model Configuration					
	Track			Media	
	1	2	3	Mag. Card	Pass Book
MSR106-1S	--	R/W	--	R/W	--
MSR106-1P	--	R/W	--	--	R/W
MSR106-2S	--	R/W	R/W	R/W	--
MSR106-2P	--	R/W	R/W	--	R/W
MSR106-3	R/W	R/W	R/W	R/W	--
MSR106-5	R/W	R/W	--	R/W	--

Interconnection	
Cable	5 feet, DB9 connector with power jack
DB9 Connector pin assignment	
1	--
2	TXD (MSR106 data transmit)
3	RXD (MSR106 data receive)
4,6,7,8,9	--
5	Circuit ground
Default 9600, 8bit per character, none parity, 1 stop bit