

# Magnetic High Coercivity Swipe Encoder

## MSR206 Series

- Read/Write magnetic stripe cards conform to ISO 7811/1-6
- Read/Write high & low coercivity magnetic stripes (300-4000oe)
- Write and verify data simultaneously in one swipe single, dual or triple tracks
- Manual swipe read/write with RS-232 interface
- Write high or high & low coercivity magnetic stripes
- Full featured DOS, WIN3.1 & WIN95 utility program included
- Programmable data format
- CE, FCC, UL, cUL certified

Specification			
Electrical			
Power Require	+24VDC +/-5%		
Consumption	Typical 350mA Max. 600mA plus for each writing track		
Power supply	External switching power 24V/2.2A		
Communication	Standard RS232 signal levels		
Ripple	50mVp-p or less		
Dielectric strength	500VDC for 1 minute		
Mechanical			
Body Material	ABS 94V-0		
Weight	Approx. 1.5kg		
Dimension	210.1Lx68Wx60H mm		
Swipe	Manual, single direction		
Environment			
Operation	-10 to 60.40 to 85% humidity		
Storage	-30 to 70.40 to 90% humidity		
Agency approval			
Rating	FCC classB, CE classB, UL, cUL		
Performance			
Read card	Track 1	Track 2	Track3
Bit pre density	210 bpi	75/210 bpi	210 bpi
Coercive force	Read/write 300-4000 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	5~30ips		
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					
Model	Track			Coercivity	
	1	2	3	High	Low
MSR206-3HC	R/W	R/W	R/W	R/W	R
MSR206-5HL	R/W	R/W	--	R/W	R/W
MSR206-3HL	R/W	R/W	R/W	R/W	R/W

Interconnection	
Cable	5 feet, RJ45 to DB9
DB9 pin assignment	
1	Shield
2	TXD (MSR206 data transmit)
3	RXD (MSR206 data receive)
4,6,7,8,9	--
5	Circuit ground
Default: 9600, 8bit, none parity, 1 stop bit	

