MSE-700 Series

Hi-co/Lo-co Magstripe Card Encoder

The MSE-700 Series is a manual swipe type magnetic stripe card encoder intended for use with a personal computer via the RS-232 or USB connectivity. It reads and writes magnetic stripe cards with coercivity ranging from 300 ~ 4000 Oersted.

There are two models available: hico/loco-configurable and loco-only. All information contained in this document is pertinent to the hico/loco configurable model unless otherwise noted. MSE-700 Series reads and writes data format as specified by ISO 7811/2 through 5 and ANSI 4.16 1983. Any ISO/ANSI standard track format can be read/written from/to any track location (1, 2, or 3).

MSE-700 Series also supports custom data format - any BPC/BPI combination on any track, such as T1:5BPC/75BPI, T2:6BPC/210BPI, and T3:7BPC/75BPI.

Industrial Grade Hi-co	Multiple Tracks	4000 oe Coercivity
Hi-coLo-co Config	RJ-45 RS-232 USB	ISO 7811 ANSI 4.16

Feature

Reliable Read/Write heads
(1,000,000 passes)

Multiple Tracks (1&2$3) available

- Industrial-Grade Hi-co Design (MSE-770)
- MSR206/MSE-630A Dual Platform
  Tracks 1&2&3
- 300~4000oe Coercivity available
- Up to 1,000,000 passes for both read/write heads
- Hico/Loco Configurable
- Interface: RJ-45/RS-232/USB
- ISO 7811-1/2/3/4/5 &ANSI 4.16 1983 Compliant
- Custom Data Format - 5/6/7BPC 210/75BPI 7
- Raw Data Format
- Intuitive Encoding Utility

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Specification

Model	MSE-730	MSE-750	MSE-770
General			
Standard	ISO 7811-1/2/3/4/5 &ANSI 4.16 1983 Compliant	ISO 7811-1/2/3/4/5 &ANSI 4.16 1983 Compliant	ISO 7811-1/2/3/4/5 &ANSI 4.16 1983 Compliant
Custom Data Format	5/6/7BPC 210/75BPI on Any Track	5/6/7BPC 210/75BPI on Any Track	5/6/7BPC 210/75BPI on Any Track
Magnetic Track	Tracks 1&2&3	Tracks 1&2&3	Tracks 1&2&3
Indicator	LED x 3	LED x 3	LED x 3
Interface	RJ-45 (with converting cable to USB or RS-232)	RJ-45 (with converting cable to USB or RS-232)	RJ-45 (with converting cable to USB or RS-232)
Media Coercivity	300~600 Oersted (read), 300~600 Oersted (write)	300~2700 Oersted (read), 300~2700 Oersted (write)	300~4000 Oersted (read), 300~4000 Oersted (write)
Media Speed	5~50IPS (Read) 5~30IPS (Write)	5~50IPS (Read) 5~30IPS (Write)	5~50IPS (Read) 5~30IPS (Write)
Media Life	1,000,000 passes for both read and write heads	1,000,000 passes for both read and write heads	1,000,000 passes for both read and write heads
Media Thickness	0.25mm~2.03mm	0.25mm~2.03mm	0.25mm~2.03mm
Low Amplitude Reading	30% (210BPI) or 40% (75BPI) at 10~40IPS	30% (210BPI) or 40% (75BPI) at 10~40IPS	30% (210BPI) or 40% (75BPI) at 10~40IPS
Error Rate	<0.5% (read), <0.75% (write)	<0.5% (read), <0.75% (write)	<0.5% (read), <0.75% (write)
Other			
Power Source	5VDC / 500 mA, via PS/2 power retrieving cable	24VDC/2.5A (with External Adapter 100~240VAC 50/60Hz)	24VDC/2.5A (with External Adapter 100~240VAC 50/60Hz)
Material	ABS	ABS	ABS
Color	White	White	White
Weight	580 g	580 g	580 g
Dimension (L x W x H: mm)	212 x 63 x 63	212 x 63 x 63	212 x 63 x 63
Operating Temperature	0°C~ 40°C	0°C~ 40°C	0°C~ 40°C
Operating Humidity	20~90% RH	20~90% RH	20~90% RH
Storage Temperature	-20°C~ 70°C	-20°C~ 70°C	-20°C~ 70°C
Storage Humidity	20~90% RH	20~90% RH	20~90% RH

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