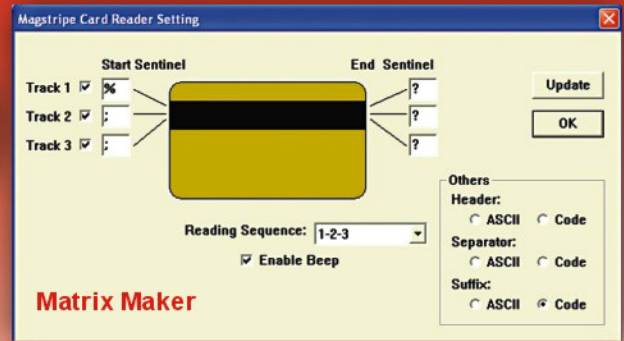# C202A
Programmable Magnetic Card Reader

Matrix Maker

Main Features

- Manual Swipe operation, bi-direction
- Read both normal and high Coercivity card (300~4000 Oe)
- High Performance, High Reliability
- Single, dual and triple track model
- Comply with ISO 7812, IBM standards, AAMVA, JIS-2
- Support multi-country code settings
- Support programmable MSR setting for the header, tailor, separator, suffix and prefix, track sequence (using Matrix Maker)
- With metal weigh for balancing during swiping
- Life of head: Approx. 500,000 passes under normal ideal laboratory environment
- Error rate: Less than 0.5% under the normal ideal laboratory environment
- USB, PS/2 and RS232 are available.
- USB exists as a HID device, no need to install any driver.

Technical Specification

[Reader Performance]

- Track 1: 210BPI with max 76 characters
- Track 2: 210BPI with max 107 characters or 75BPI with max 37 characters
- Track 3: 210BPI with max 107 characters
- Card swipe speed: 10 to 100 cm/s

Environment Adaptability

[Card Operating Speed]

TEST CARD/SPEED	
Test Card	Speed (inch/sec.)
Normal	5 - 55 ips
Jitter	5 - 50 ips
Low Amplitude	5 - 50 ips

- Test card thickness is 0.76mm +/- 0.08mm (0.030" +/- 0.003")
- Reliable to read Jitter card of magnetic stripes encoded with bit cell length variations within +/-12% as defined in ISO 7811
- Reliable to read Low Amplitude card of magnetic stripes encoded at 60% or more of the amplitude as defined in ISO 7811

[Others]

Operating Voltage	: 5VD +/- 5%
Operating Current	: less than 100mA
Operation Temperature	: -10 ~ 50℃
Storage Temperature	: -30 ~ 70℃
Operating Humidity	: 10 ~ 85% RH
Storage Humidity	: 10 ~ 90% RH
Dimensions	: 135 x 47 x 45mm