

MR3000 MAGNETIC STRIPE READER SPECIFICATIONS

MECHANICAL

Weight	1.2 lbs.
Height	1.3 inches
Width	5.7 inches
Depth	1.8 inches
Magnetic Head	
Number of Tracks(MR3000)	2 (Any Combination of Tracks 1 and 2)
Number of Tracks(MR3300)	3 (Any Combination of Tracks 1, 2, and 3)
Track Width	1.4 mm
Core Material	Permalloy
Life	>300,000 passes
Card Feed	
Speed	100 to 1200 mm/sec
Force	90g typical, 180g max.
Direction	Bi-directional

ELECTRICAL

Supply Voltage	+5VDC
Supply Ripple	100 mv p-p max.
Current	
Operating	6.0 ma typical, 10.0 ma max.
Stand-by	2.0 ma typical, 3.0 ma max.
Life	50,000 hours

ENVIRONMENTAL

Operating Temperature	-10 to +55°C
Storage Temperature	-30 to +70°C
Relative Humidity	
Operating	10 to 95% non-condensing
Non-operating	10 to 95% non-condensing
Vibration (10 to 55 Hz.)	4G's
Shock	30G's

INTERFACE

Wedge Interface	Standard
Serial (RS232C)	Optional
Protocol	
Baud Rate	150, 300, 600, 1200, 2400, 4800, 9600*, 19200
Parity	None*, Even, Odd
Data Bits	7, 8*
* Factory Default Value	

CONNECTOR PINOUT

KEYBOARD WEDGE		RS232	
DIN 5F	DIN 5M	DB9 Female connector	
1 CLOCK	1 CLOCK	1 Tied to 4 & 6	6 Tied to 1 & 4
2 Data	2 Data	3 Data	7 RTS
3 No Connection	3 No Connection	4 Tied to 1 & 6	8 CTS
4 Ground	4 Ground	5 Ground	
5 +5VDC	5 +5VDC		

