

ACE-TEK Series

Countertop Magnetic Stripe Reader

The ACE-TEK Series are slim, lightweight ruggedized magnetic stripe readers that can operate reliably in both indoor and outdoor environments even in under harsh conditions. The ACE-TEK enables manual swipe in both directions (front or back) with Transistor Transistor Logic (TTL) output. It is available in single, dual or triple track configurations and reads high & low coercivity magnetic stripes (300~4000 Oe) using several operating swipe speeds. It fully conforms to International Standard Organization (ISO) 7811 and is useable in single, double or triple track configurations.



Features and Benefits

- Manual Swipe operation
- TTL interface
- Several Optional Dimensions
- Reads magnetic stripe cards; conforms to ISO7811
- Manual swipe, bi-directional with TTL output
- Available in single, dual or triple track configurations
- Read high & low coercivity magnetic stripes (300~4000 Oe)
- Wide range operational swipe speed
- 5VDC±10% operational power
- CE, FCC certified

Model Configuration						
Series	Dimension(mm)			Track		
	L	W	H	1	2	3
ACE-TEK 03	89.5	7.3	28	R	R	R
ACE-TEK 04	100.25	27	26	R	R	R
ACE-TEK 06	100.25	27	29	R	R	R
ACE-TEK 08	90.6	22	24	R	R	R
ACE-TEK 10	90	24	24	R	R	R
ACE-TEK 11	100	25	25	JIS I /JIS II		
ACE-TEK 16	110	28	33	R	R	R
ACE-TEK 19	100	25	25	R	R	R

Actual colors may vary. Custom colors upon request. Minimum quality required.



Gaming



Hospitality



Retail



Parking



Banking



Petroleum



Transportation

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The ACE-TEK is highly reliable device that is specified for half a million swipes and comes with an option of a higher rated device of one million swipes. Its read card format operates magnetic track 1 at bit density of 210 bits per inch (BPI), track 2 bit density at 75 bpi and track 3 bit density of 210 bpi. It meets Class B Federal Communications Commission (FCC) and European Conformity (CE) agency approval standards.

Specifications

ELECTRICAL

Power Requirement	+5VDC±10%
Power consumption	500mA Max.

PERFORMANCE

Read Card Format:	Track 1: Bit Density 210 bpi Track 2: Bit Density 75 bpi Track 3: Bit Density 210 bpi
Read Capability:	Magnetic stripe - single, dual or triple track of low/high coercivity (300~4000 Oe)
Test Card Types	Track 1: Standard card Track 2: Jitter±15% Track 3: Amp.60%
Read Speed	Track 1: 5~55 ips Track 2: 5~50 ips Track 3: 5~50 ips
Card Thickness:	Card Thickness: 0.76±0.08 mm
Write Jitter:	Interval < ±10%, sub-interval < ±12%
Card Thickness:	0.76 mm to 1.2 mm
Error Rate:	< 0.5%
Head Life:	500K swipes, 1M life optional

INTERFACES

TTL interface	
Logic Characteristic:	Default at Negative, Positive optional
Ripple:	50mVp-p or less
Dielectric Strength:	500VDC for 1 minute

MECHANICAL

Body Material:	ABS 94V-0
Weight:	Approx. 40~50g
Swipe:	Manual, Bidirectional

ENVIRONMENTAL

Operating Temperature:	-10°C to +50°C
Storage Temperature:	-30°C to +70°C
Operating Humidity:	10% to 85%
Storage Humidity:	10% to 90%

AGENCY APPROVAL

FCC Class B, CE Class B



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