

PermaSeal and SlimSeal

Insertion Secure Card Reader Authenticators

OPERATING SYSTEMS

- Android
- Linux
- Windows

ACCEPTED PAYMENTS

- Magnetic Stripe
- 3-Track

SECURE PAYMENTS

- 3DEA Encryption
- DUKPT Key Management
- Tokenization
- Authentication

MagTek Insertion Secure Card Reader Authenticators support up to 3 tracks of data from ISO and AAMVA encoded cards. PermaSeal and SlimSeal offer flexibility with left or right read heads and card reading occurring on insertion or withdrawal from the card slot when the card is oriented such that the card's magnetic stripe contacts the read head.

MagneSafe Security Architecture

MagneSafe[®] is a digital identification and authentication architecture that safeguards consumers and their personal data. Designed to exceed PCI regulations, MagneSafe leverages strong encryption, secure tokenization, counterfeit detection, tamper recognition, data relevance and integrity, and dynamic digital transaction signatures, which together validate and protect the entire transaction and each of its components.

MagneSafe's multi-layer security provides unmatched protection and flexibility for safer on-line transactions. When a card is inserted in the reader, the track data is encrypted using TDEA (Triple Data Encryption Algorithm, aka, Triple DES) and DUKPT (Derived Unique Key Per Transaction) key management. This method of key management uses a base derivation key to encrypt a key serial number that produces an initial encryption key which is injected into the reader prior to deployment. After each transaction, the encryption key is modified per the DUKPT algorithm so that each transaction uses a unique key. Thus, the data will be encrypted with a different encryption key for each transaction.

To get started contact:
retail.solutions@magtek.com

SlimSeal - Built for indoor installations

SlimSeal SCRA is available in a variety of interfaces and head arrangements. SlimSeal can be mounted either for horizontal or vertical card insertion. A card-present sensor at the rear of the slot notifies the application that a card has been inserted so that the cardholder can be prompted with further instructions.



**SlimSeal
Insertion SCRA**

PermaSeal - Built for outdoor installations

PermaSeal SCRA is designed for installations that might be subjected to harsh environments such as fuel (petroleum) pumps and outdoor kiosks. The water-tight design of the bezel and reader body make it ideal for outdoor applications. The design further protects the electronics from harmful contamination. This compact insertion style SCRA conforms to ISO standards.



**PermaSeal
Insertion SCRA**

SPECIFICATIONS		
Reference Standards	ISO 7810 and ISO 7811/ AAMVA*	
Magstripe Functions	Track 1,2,3	
Recording Method	Two-frequency coherent phase (F2F)	
Message Format	ASCII	
Card Speed	4 to 60 ips (10.1 to 152.4 cm/s)	
OPERATING		
Power Input	5V from USB bus	
Operating Systems	Android, Linux, Windows	
Current		
Normal Mode	100mA maximum	
Suspend Mode	500uA maximum	
*ISO (International Standards Organization) and AAMVA (American Association of Motor Vehicle Administrators).		
Bezel Options	flat or extended	
Mounting	4 screws and washers with mounting bezel, apply 5.0 +/- 0.5 inch lbs of torque when installing the screws	
Connector	USB mini B 5-pin	
ENVIRONMENTAL		
Temperature		
SlimSeal Operating	-30°C to 70°C (-22°F to 158°F)	
SlimSeal Storage	-40°C to 70°C (-40°F to 158°F)	
PermaSeal Operating	-22°C to 80°C (-30°F to 176°F)	
PermaSeal Storage	-40°C to 70°C (-40°F to 158°F)	
Humidity		
SlimSeal Operating	10% to 90% non-condensing	
SlimSeal Storage	10% to 90% non-condensing	
PermaSeal Operating	5% to 90% non-condensing	
PermaSeal Storage	10% to 90% non-condensing	
DIMENSIONS		
Core chassis	Length	4.66 in. (118.4mm)
	Width	2.56 in. (65.02mm)
	Height	1.01 in. (25.65mm)

PN	DESCRIPTION
21063018	PermaSeal, P-Series, Extended, Right Head MGSFIN P SERIES READER MAGNESAFE USB, HEAD RIGHT EXT BEZEL
21063019	PermaSeal, P-Series, Extended, Left Head MGSFIN P SERIES READER MAGNESAFE USB, HEAD LEFT EXT BEZEL
21063020	SlimSeal S-Series, Flat, Right Head MGSFIN P SERIES READER MAGNESAFE USB, HEAD RIGHT FLAT BEZEL
21063021	SlimSeal S-Series, Flat, Left Head MGSFIN P SERIES READER MAGNESAFE USB, HEAD LEFT FLAT BEZEL