



Elk Readers by Brush Industries

SideWinder



*The Ultimate Durable
Swipe Reader for Hostile Environments
Even Underwater!*

■ RS232

■ TTL*

■ USB

- Improved Design
- No Moving Parts!
- Improved Reliability
- Improved Contact with Stripe
 - Less head wear
 - More reliable card reading
- Extremely Long Head Life
- Vandal Resistant
- Waterproof
- Card Hatching Resistant
- Hardened, Weather Resistant Case
- Sealed Electronics



Available on RS232 and USB Models:

- Brownout Circuitry Protection
- Programmable RISC Chip Architecture
- ESD (Electro Static Discharge) Protection
- Built-in Noise Protection
- Power Supply Flexibility

* ESD and Voltage Regulator
Circuitry options available
for TTL Sidewinder



Long Life Magnetic Heads and
Card Readers for Extreme Environments





OPTIONS

Electronics (industry standard)

- RS 232
- TTL with Digihead™ Technology
- USB

Magnetic Head

- 1, 2 or 3 tracks

Magnetic Stripe Location

- ISO

Cable Exit Location

- Base Bottom Exit

Configuration Options

- Cable and Connector
- Bi-color LED, Red/Green as power indicator, swipe indicator and fault indicator, factory programmable (Optional for TTL)*

SPECIFICATIONS

Physical Dimensions:

ISO

Weight: 454g (16 oz)
Height: 34.8mm (1.37 in)
Width: 52.3mm (2.06 in)
Length: 111.8mm (4.40 in)(Base)

Environment Specifications:

Operating Temperature: -34°C to 55°C (-30°F to 131°F)
Operating Humidity: Waterproof
Storage Humidity: Waterproof
Storage Temperature: -35°C to 70°C (-31°F to 158°F)

Electrical Requirements:

RS232 and USB Operating Voltage: 4.0 V to 20.0 V (500mW)
TTL Operating Voltage: 4.5 V to 5.5 V (at 10mA minimum)
Recording Method: Two-frequency Coherent Phase (F2F)
RS232 and USB Message Format: ASCII
TTL Message Format: Clock and Data
Long Life Magnetic Head
Warranty : One year, manufacturing defect

Mechanical

RS232 and USB:

Cable Length: 1524 mm (60 in. Standard)
Connector Options: DB9, USB A, PS2 or Customer Specified

TTL:

Cable Length: 508 mm (20 in. Standard)
Connector Options: Molex .100 inch pitch connector or Customer Specified

ALSO AVAILABLE

Magstripe Test Cards

Test cards are valuable for:

- verifying your readers meet ISO specs
- testing magnetic card readers
- testing POS terminals
- testing ticket dispensing equipment
- testing ATMs
- providing a standard of comparison for testing:
 - swipe & motorized encoders
 - development of card readers/writers
 - power supplies, read circuitry, heads, mounts, & card transport mechanisms
 - for catastrophic failure
 - for gradual degradation of readers



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* powered and controlled externally