

# Durareader

# Heavy Duty Slotreader for Bar Codes and/or Magnetic Stripes



#### Reads magnetic stripes

The Durareader reads up to three tracks of information with a single swip in either direction. In combination, the same Dureareader unit can read both bar code and magnetic stripe media.

TTL, RS232, Keyboard Wedge, USB/Keyboard and Weigand Interfaces are available.

#### Edits and formats data

The Durareader can be programmed to divide, rearrange, edit and validate fields of scanned data. In addition, it allows for up to 16 preamble of post amble characters. Data editing for the Weigand Interface can be programmed with an optional RS232 adaptor cable.

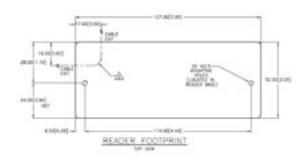
#### Scan bar codes

The Durareader scans bar codes printed on paper, card stock, or plastic. An infrared option is available for security-based applications, where bar codes are overprinted to prevent duplication.

### Stands up to heavy use

The Durareader is designed for demanding applications, such as for access control or in self-service kiosks. Its die-cast metal base, stainless steel wear plate, and impact-resistant housing make it ideal for stand-alone, high-volume traffic. Its metal base can be securely mounted with screws, and cable exists are available at the side, end, or bottom of the unit. A weatherproof, extended temperature version is also available for use in harsh environments.

#### **DuraReader Footprint:**





# Durareader **Specifications**

#### **Flectrical**

Bar Code Power +5VDC +/-10% (35mA maximum)

Ground 0VDC (GND)

Power +5VDC +/-10% (50mV ripple maximum) Magnetic

Ground 0VDC (GND)

Chassis Ground connected to GND and magnetic

head case

Operating Current 35mA maximum for undecoded bar code only

0.8mA per track typical when reading an undecoded

magnetic stripe (3 tracks)

70mA additional for decoded with keyboard or

RS232 interface

#### Mechanical

Bar Code Source Light: Visible red 660nm or Infrared 930nm.

Minimum Bar Code PCS 60%

Bar Code centerline .49 inches (12.50mm) from bottom of slot to center

of reading window

Bar Code solution .006 inches (6 mil) minimum

ISO 7811, AAMVA, and CA DMV. Magnetic Stripe Format

Swipe Speed Bar Code: 5 to 65 inches per second, bi-directional.\*\*

Magnetic Stripe: 3 to 55 inches per second,

bi-directional (normal density)

\*\*Media velocity can vary depending on bar code density and quality. Media Thickness Bar Code media .005 to .050 inches (0.127 to 12.7mm)

Slot Width .055 (1.397mm)

Symbologies Supported Code 39, Interleaved 2 of 5, Industrual 2 of 5,

FEBRABAN, Code 128, Codabar, MSI/Plessey, UPC-A,

UPC-E, Expansion, EAN-13, EAN-8

Interfaces RS-232/keyboard wedge (AT/XT,PS2, Mac and many

others) TTL (undecoded magnetics and/or Bar Code),

Standard SIA 26-bit Wiegand, USB/keyboard

Length: 5 inches (127mm) Dimensions

Width: 2.05 inches (52mm) Height: 1.38 inches (35mm) 1.4 lb. (including power pack)

Weight Cable length 6-foot straight cable

Connector Keyboard: Combination 5 pin/6 pin DIN.

TIL: 9 pin squeeze RS-232: DB9FTTL Mag/BC

Combo Readers: unterminated cable

#### **Environmental**

32 °F to 131 °F (0 °C to 55 °C) Operating Temperature

-31 °F to 140 °F (-35 °C to 60 °C) Weatherproof/Extended

without ice build-up on magnetic head\* Temperature option

\*minimum quantities apply: extended temperature

option not available with bar code feature

-31  $^{\circ}$ F to 158  $^{\circ}$ F (-35  $^{\circ}$ C to 70  $^{\circ}$ C) non-Storage Temperature

condensing

Maximum 95% non-condensing Humidity

**Reliability** 

Electronics MTBF Read electronics, bar code:30,000 POH.

Read electronics, bar code:125,000 POH. Interface electronics, RS-232/keyboard:

125,000 POH.

1,000,000 passes minimum Magnetic Head Life Rail and Cover Life 2,000,000 passes minimum

Less than one error in 100,000 bits on Magnetic Read Rate

cards conforming to ISO 7811 1-5 (not

induced by operator error) One year, parts and labor

#### **Models**

Warranty

Track 1 and 2 MSR, Barcode, TTL Interface, visible red DR3227-612 Track 1, 2 and 2 MSR, Barcode, TTL Interface, visible red DR3227-633

DR3227-502 Track 2 MSR,TTL Interface DR3227-503 Track 3 MSR.TTL Interface DR3227-512 Track 1 and 2 MSR,TTL Interface DR3227-523 Track 2 and 3 MSR,TTL Interface

DR3227-533 Track 1.2 and 3MSR.TTI Interface DR3207-600 Visible Red,TTL Interface DR3207-700 Infra-red.TTI Interface

DR3227-602 Track 2 MSR, Barcode, RS232 Interface, visible red DR3227-612 Track 1 and 2 MSR, Barcode, RS232 Interface, visible red

DR3227-623 Track 2 and 3 MSR, Barcode, RS232 Interface, visible red DR3227-633 Track 1, 2 and 3 MSR, Barcode, RS232 Interface, visible red

Track 1, 2 and 3 MSR, Barcode, RS232 Interface, infra-red DR3227-712

DR3227-502 Track 2 MSR, RS232 Interface DR3227-512 Track 1 and 2 MSR, RS232 Interface DR3227-523 Track 2 and 3 MSR, RS232 Interface DR3227-533 Track 1, 2 and 3MSR, RS232 Interface

DR3227-600 Visible Red, RS232 Interface DR3227-700 Infra-red, RS232 Interface

Track 1 and 2 MSR, Barcode, Keyboard Wedge DR3237-612

Interface, visible red

Track 2 and 3 MSR, Barcode, Keyboard Wedge DR3237-623 Interface, visible red

DR3237-633 Track 1, 2 and 3 MSR, Barcode, Keyboard Wedge

Interface, visible red

Track 1, 2 and 3 MSR, Barcode, Keyboard Wedge, DR3237-712

infra-red

DR3237-502 Track 2 MSR, Barcode, Keyboard Wedge Interface DR3237-512 Track 1 and 2 MSR, Barcode, Keyboard Wedge Interface

DR3237-523 Track 2 and 3 MSR, Barcode, Keyboard Wedge Interface DR3237-533 Track 1,2 and 3 MSR, Barcode, Keyboard Wedge Interface

DR3237-600 Visible Red, Keyboard Wedge Interface DR3237-700 Infra-red, Keyboard Wedge Interface

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