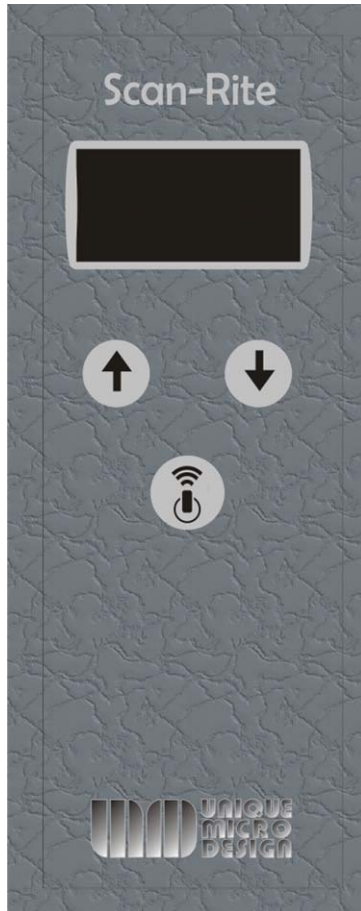


Scan-Rite™ Portable RFID Microchip Reader

Model 641A-02 – Horse Identity Verifier



The *Unique Micro Design Scan-Rite™ Model 641A-02* is a portable hand held RFID microchip reader that has been specifically configured to meet the needs of the equine industry to confirm the identity of microchipped horses.

The reader's SD Memory Card is loaded with a database of tagged horses which includes name, brands and markings, allowing for on the spot verification.

Platform Product

The Scan-Rite™ can decode standard 134.2KHz Half and Full Duplex tags. It has been developed as a platform product that can be uniquely configured and programmed to meet a variety of end-customer and OEM applications.

The Scan-Rite™ is typically used to read RFID tags in animals such as cows, horses, pets and sheep. The tags may be subcutaneously implanted or externally located.

The Scan-Rite™ boasts low power operation, flash memory firmware upgrades, optional Bluetooth and serial communications, bright graphic OLED display, vibration user feedback, SD Memory Card storage and three user programmable keys.

FEATURES

- Low Frequency RFID Reader (both HDX and FDX protocols)
- Optional SD Memory Card for database lookup and storage
- Optional Bluetooth wireless communications
- RS232 serial communications
- User feedback via bright OLED graphic display and vibrator
- User input via three buttons
- Battery backed real-time clock
- Low power operation - uses 4 standard AA batteries
- Custom applications can be downloaded to flash memory
- Designed and manufactured in Australia by Unique Micro Design

SPECIFICATIONS

Physical	Dimensions	63 (w) 220 (l) 27 (h) mm
	Material	ABS Plastic
	Color	Black
	Weight	Approx. 400g with batteries
RFID Reader	Frequency	134.2 kHz
	Protocol	HDX and FDX
	Decoding	Animal Tags (ISO 11784) & Industrial
	Read Range	Up to 25 cm depending on tag and orientation
Display	Technology	OLED Graphics Display
	Colour	Yellow with 4 bit (16 level) Greyscale
	Display Area	36.46 (w) x 18.22 (h) mm
	Pixels	128 Columns x 64 Rows
	Contrast Ratio	100:1 minimum
	Luminance	100 cd/m ² (typical)
Controls	Feedback	Vibrator
	Buttons	Three (application specific)
Host Interface	Communications	RS232 Serial via 3.5 mm jack connector
	Wireless	Bluetooth Class 1 (SPP) (Optional)
CPU	Processor	8 Bit
	Clock	Real Time Clock (optional)
Memory	Application	64KB Flash Programmable
	Expansion Memory	SD Memory Card, upto 2GB (optional)
	EEPROM	128 K Bytes (optional)
	Programming	Via X-Modem download
Power	Source	Four x AA Batteries
Environmental	Operating Temp	0 to 50 deg C
	Relative Humidity	<97% non-condensing

ORDERING INFORMATION

M641A				Scan-Rite™ Portable RFID Microchip Reader
	RFID Option			
	0			HDX / FDX with T Antenna
	Communication Options			
	0			No Bluetooth
	B			With Bluetooth
	Hardware Options			
	00			Standard Facia
	01			With SD Card
	02			With SD Card and Real Time Clock
	Firmware (Flash Programmable)			
	00			Unprogrammed
	01			Basic Reader
	02			Horse Identity Verifier
XX			Customer specific	