

LPR series Livestock Pocket Reader

Comply with ISO 11784/11785



General Description

The Allflex Model LPR Series Livestock Pocket Reader is a rugged and portable hand-held RFID scanning device that provides cable-free operation through its rechargeable 7.2VDC NiMh battery pack and wireless communication via its integrated Bluetooth® module. The LPR Series readers conform to the technical specifications of ISO Standards 11784 and 11785, including both FDX-B and HDX technologies.

The LPR Series Livestock Pocket Reader provides the basic RFID reader functions of reading and transmitting the identification code contained within the passive transponder.

The "Black" thumb-actuated Power On/Read button activates the reader. A Red "Exciter Active" visual indicator alerts the user that the reader is scanning a tag within range.

Once a tag is detected, an audible beeper along with a Green visual indicator that alerts the user that the tag was successfully scanned.

Power is provided to the LPR Series through its 7.2VDC NiMh rechargeable battery pack which provides optimum operating time for scanning your livestock.

The NiMh battery is recharged by using the detachable USB cable with an external wall adapter. An amber "Battery" visual indicator alerts the user that the reader needs to be recharged.

Wireless communication capability is provided to the LPR series through its Bluetooth® module. A Blue "Bluetooth" visual indicator provide information about the wireless communication status (flashing light = no connection, fixed light = connected).

Once a tag is detected, the tag was automatically transmitted via this channel.

The LPR comes with a Windows® based PC utility program called "LPR Software" which can be used to configure the reader.



Construction

The Allflex LPR Series Livestock Pocket Reader is assembled in a compact enclosure that is designed to be easy to hold and operate with either hand.

It is also convenient to position in the vicinity of the transponder being scanned.

Performance Capabilities

The Allflex LPR Series Livestock Pocket Reader is capable of reading the Allflex HDX and FDX-B cattle ear tags at a nominal distance of 20cm (7.87") (optimum orientation).

Indicators		
Disabled	Flashing	Fixed
Reader OFF	Reader is reading	Reader is ON
	Tag read	
Battery OK	Battery level getting low	Battery depleted. Charge necessary
Bluetooth disabled	Blinking once every seconds: not connected (slave mode) Blinking 5 times every 5 seconds: not connected (master mode) tries to establish a connection	Bluetooth connected

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SPECIFICATIONS

GENERAL

Operating frequency	134.2kHz
Norms	ISO 11784 and ISO 11785 for HDX and FDX-B tags.
Special feature	Temperature scanning with TD and BT implants between 33° C and 43°C (between 91.4°F and 109.4°F).
User interface	Single « Press to read » Black Activation Button Red LED « Exciter Active » Visual Indicator Audible Beeper and Green LED « Good Read » » Visual indicator Amber LED « Battery Level » Visual indicator Blue LED « Bluetooth » Visual indicator Vibrator
Bluetooth® Interface:	V3.0 class 2 (up to 15m), Serial Port Profile (SPP) iPhone/iPad compatible (iAP interface).
USB Interface	CDC class (serial emulation)
Memory	3000 IDs
Battery:	7.2VDC—700mAh rechargeable NiMh Battery
Battery charge duration:	Up to 3h30 in fast charge (external power supply) Up to 9h00 in slow charge (computer)

PHYSICAL/ENVIRONMENTAL

Ingress Protection:	IP65 (projected water resistant) with USB cap
Dimensions:	234 x 52 x 32 mm (9.21 x 2.05 x 1.26 in)
Weight:	300g (including battery pack) (10.6 oz)
Operating Temperature:	-20° to +55°C (-4° to +131°F)
Storage Temperature:	-25°C to +65°C (-13° to +149°F)
Humidity:	10% - 90% Non condensing