

Allflex® APR250 Handheld Reader Datasheet



Allflex APR250 Handheld Readers are compact and easy to use RFID scanning devices for reading livestock electronic identification (eID) tags. Offering basic reading and management capabilities, large data capacity and connectivity.

- **Simple and reliable** – RFID readers that provide basic eID reading functionality and transmission via Bluetooth or USB. Able to record actions and information associated with the ID from preset lists, the internal memory can store up to 100,000 ID numbers, along with additional information. The integrated Li-Ion battery lasts in continuous read mode for up to six hours.
- **Connectivity** – Bluetooth and USB interfaces are included as standard, and a magnetic plug makes USB connection for transmission and battery charging simple and quick. Online mode and connectivity with iPhone and Android apps allow bi-directional wireless data communication and mobile data management.
- **Easy and comfortable use** – Lightweight, ergonomically designed readers with a durable IP67 casing. The large, backlit, colour display facilitates basic records management. The reading process is easily controlled, even in noisy environments, with the help of two LED indicators, a vibrating motor, and loud, operation-specific sounds.

Allflex APR250 Handheld Reader



Technical Specifications

Frequency	134.2 kHz
Transponder types	HDX compatible (ISO 11784/5) FDX-B compatible (ISO 11784/5)
Read range	25 cm with HDX transponder (Ø 30 mm) 25 cm with FDX-B Transponder (Ø 30 mm)
Synchronization	Wireless Synchronization allows the operation with other readers in close vicinity according to ISO24631-2
Interfaces	USB (Virtual Comport or Mass Storage Device) Class 1 Bluetooth module v4.1 Dual Mode: Classic (SPP, HID), BLE
Power supply	Integrated Li-Ion Battery 3.4 Ah (12.2 Wh) Internal charging via USB in max. 4h with supplied PSU
Display	2.4" TFT (65K colours)
Keypad	7 button directional pad, incl. "OK" button and two softkeys
Signals	2 Status LEDs above the display audio speaker, vibrating motor
Operating temperature	-20° to 60°C
Storage temperature	-20° to 60°C
Charging temperature	0° to 45°C
Protection level	IP67
Dimensions	L x W x H: 190 x 98 x 40 mm
Weight	Approx. 270 g

For data collection it offers various options via keypad and interfaces:

- In the **TASK** mode, custom data fields can be populated with information in a sequence to record an animal management event, e.g. birth, weighing, vaccination, movement. The task can consist of an eID scan, editable selection lists (e.g. medicines), time stamp, numeric and alphanumeric data input and a weight imported from a scale. The TASK can also consist of loops for repeatable data collection (e.g. at lambing).
- With the **WEIGHT FROM SCALE Function**, weight data can be imported from all major brands of scales via Bluetooth and it can be recorded in combination with the Animal ID in TASKs.
- The **CONTINUOUS READ** Mode enables fast reading and data collection for batches of animals at a time.
- The APR 250 offers the **BI-DIRECTIONAL Mode** for wireless communication with smartphones (Bluetooth) and other Bluetooth devices. It uses the functionality of a smartphone application via the display and keyboard of the APR250. It enables a one-device operation with remote data transfer.
- For more information visit allflex.com.au or call 1300 138 247