



■ AWR300 – The Stickreader Strong | Smart | Easy

The AWR300 represents the next generation of ISO 11785 RFID stick readers and combines great reading range with an outstanding long operation time and smart features. The 8 GB memory, a large colour display and a convenient keypad makes it easy to operate. The strong housing is light weight but robust and ergonomic.

Different lights, sounds and a vibrator give clear signals about the current operation even in noisy environment. The variety of interfaces is unique – they offer great advantages at multidevice operations. The AWR300 provides USB, RS232, Bluetooth and a WLAN interface.



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Advantages of the AWR300

- Great reading range for all types of HDX and FDX-B transponders, ear tags and bolus compatible to the ISO standards 11784 and 11785.
- The housing combines light weight and robustness with an ergonomic design.
- The energy optimized reader technology in combination with powerful Li-Ion batteries offers a much longer operation time than comparable stick readers. The power consuming continuous read mode for very fast reading (e.g. at loading or unloading of animals) can last for up to 12 hours. At the normal push and read mode the battery will last for days.
- The large memory allows the storage of 1.000.000 records in groups. Date and time from the built-in real-time clock are displayed and stored.
- 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 tasks can consist of an EID scan, editable selection lists (e.g. medicines), time stamps, 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).
- The integrated dynamic DATABASE function can be downloaded to the reader memory. Its information can be displayed and edited during operation.
- The large backlit colour display allows convenient reading of IDs and additional data after scanning. The multi-coloured READ LED at the tip and two additional LEDs on top of the display provide an easy control of the reading process. A loudspeaker allows a wide variation of sounds for different operation, while the vibrating motor gives clear feedback even in a noisy environment.
- The AWR300 includes an integrated USB and RS232 interface for wired communication. The Bluetooth and WLAN interfaces offer a great advantage at wireless multi-device operation. The AWR300 connects with Android and iOS Apps for easy data management on smartphones and with major brands of scales for the recording of the weight.
- The free AgriLink Software provided with the AWR300 makes the upload of Link lists (VID, Alert) and the Download of the collected data very easy. AgriLink can export the data in Excel Format as well.
- The AWR300 offers the unique BI-DIRECTIONAL Mode for wireless communication with smartphones and network operation. It uses the functionality of a smartphone or network application via the display and keypad of the AWR300. It enables a one-device operation with remote data transfer.

Technical Data of the AWR300

Frequency	134.2 kHz
Transponder types	HDX compatible (ISO 11784/5) FDX-B compatible (ISO 11784/5)
Read range	30 cm with HDX transponders (30 mm Ø) 30 cm with FDX-B transponders (30 mm Ø)
Synchronization	Wireless Synchronization allows the operation with other readers in close vicinity according to ISO24631-2
Interfaces	USB (Virtual Comport or Mass Storage Device) RS232 (Baud rate 9.600 to 115.200) Class 1 Bluetooth module v4.0 Dual Mode: Classic (SPP, HID), BLE WLAN 802.11: b/g/n up to 72.2 Mbps 802.11 Security: WPA2 Personal, STA (Station Mode) or Soft AP TCP or UDP protocol
Memory	8 GB (1.000.000 records) 25 Tasks with 10.000 records each Database with 50 information for 10.000 datasets
Power supply	Li-Ion battery pack of 2.6 Ah (18.8 Wh) Internal charging in max. 3h with external power supply
Display	2.4" TFT (65K colours)
Keypad	7 button directional pad, incl. "OK" button and two softkeys
Signals	Multi-coloured read LED at tip 2 Status LEDs above the display audio speaker, vibrating motor
Operating Temp.	-20° to 60°C, -4° to 140° Fahrenheit
Storage Temp.	-20° to 60°C, -4° to 140° Fahrenheit
Charging Temp.	0° to 45°C, 32° to 113° Fahrenheit
Dimensions	L x W x H: 650 x 85 x 42 mm
Weight	Approx. 720 g