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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 IP67 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 of 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

<b>Frequency</b>	134.2 kHz
<b>Transponder types</b>	HDX compatible (ISO 11784/5) FDX-B compatible (ISO 11784/5)
<b>Read range</b>	30 cm with HDX transponders (30 mm Ø) 30 cm with FDX-B transponders (30 mm Ø)
<b>Synchronization</b>	Wireless Synchronization allows the operation with other readers in close vicinity according to ISO24631-2
<b>Interfaces</b>	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
<b>Memory</b>	8 GB (1.000.000 records) 25 Tasks with 10.000 records each Database with 50 information for 10.000 datasets
<b>Power supply</b>	Li-Ion battery pack of 2.6 Ah (18.8 Wh) Internal charging in max. 3h with external power supply
<b>Display</b>	2.4" TFT (65K colours)
<b>Keypad</b>	7 button directional pad, incl. "OK" button and two softkeys
<b>Signals</b>	Multi-coloured read LED at tip 2 Status LEDs above the display audio speaker, vibrating motor
<b>Operating Temp.</b>	-20° to 60°C, -4° to 140° Fahrenheit
<b>Storage Temp.</b>	-20° to 60°C, -4° to 140° Fahrenheit
<b>Charging Temp.</b>	0° to 45°C, 32° to 113° Fahrenheit
<b>Protection Level</b>	IP67
<b>Dimensions</b>	L x W x H: 650 x 85 x 42 mm
<b>Weight</b>	Approx. 720 g