



## AWR300 – The Stickreader Strong\_Smart\_Easy

The new AWR300 represents the next generation of ISO 11785 RFID Stickreaders and combines great reading range with an outstanding long operation time and smart features. The 4 GB memory, a large colour display and a convenient keyboard makes it easy to operate. The strong IP67 casing is light but robust and ergonomic.

Different lights, sounds and a vibrator give clear signals about the current operation even in noisy environment. Unique is the variety of interfaces. The AWR300 offers USB, RS232 and Bluetooth Class1 as standard interfaces. An optional Wi-Fi version offers great advantages at multi-device operations.



Agrident GmbH  
Steinklippenstraße 10  
D-30890 Barsinghausen  
Phone: +49 (0) 51 05-58 25 73-10  
Fax: +49 (0) 51 05-58 25 73-17  
E-Mail: mail@agrident.com  
Internet: www.agrident.com

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## Advantages of the AWR300

- Great reading range for all type of HDX and FDX-B transponders, ear tags and bolus compatible to ISO standard 11784/5.
- The new energy optimized reader technology in combination with powerful Li-ON batteries offers an operation time two to three times longer than comparable stickreaders.
- The power consuming permanent read mode for very fast reading, e. g. at loading or unloading of animals can last for about 12 hours.
- The large memory of 4 GB allows the storage of 1.000.000 tags plus time-stamp and additional data. The memory can be arranged in groups. The Built-in real-time clock displays date and time.
- The integrated database function can display several fields of useful information and add new information per animal from defined lists (e. g. Breeds or medicines).
- The multicolour Read LED on top and two additional LED provide easy control of the reading process. A loudspeaker allows a wide variation of sounds for different operation while a vibrator is giving clear feedback even in noisy environment.
- The large back-lit Colour Display allows convenient reading of IDs and additional data after scanning.
- The design of the IP67 casing combines light weight with robustness and guarantees high operating comfort.
- The AWR300 includes an integrated USB and RS232 interface for wired and Class 1 Bluetooth for wireless communication. The USB mass storage mode enables easy access to data without additional drivers. The optional Wi-Fi version makes the connection of several AWR300 to one host very easy.
- The AWR300 connects with Agrident Android App as with Apple IOS for easy data management on Smartphones.

## Technical Data of the AWR300

<b>Frequency</b>	134.2 kHz
<b>Transponder types</b>	HDX and FDX-B compliant according to ISO11784/11785, EM4002 optional
<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) RS232 (Baud rate configurable from 9.600 to 115.200), Bluetooth 4.0 - Class 1, Wi-Fi optional Android, Windows 10 and IOS Compatible
<b>Power supply</b>	7.4 V Li-Ion battery with 2.600 mAh capacity, Internal fast charger with external power supply (Charge max. 3.5 h)
<b>Memory</b>	4 GB Flash
<b>Display</b>	2.4 inch TFT colour (65K colours) Adjustable backlight
<b>Keypad</b>	7 keys, directional pad with "OK" button in the middle and two additional soft keys below the display
<b>Signals</b>	Top LEDs with 3 different colours (RGB), 2 Status LEDs above the display (one RGB and one blue), Audio Speaker, Vibration
<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