

## APR500 Handheld Reader – Robust, flexible and communicative

The portable ISO RFID reader APR500 offers an alphanumeric keypad, a graphical display, a large memory and great connectivity in a very robust and ergonomic IP64 housing. With USB, RS232 and Bluetooth as standard interfaces and the optional GPRS or Wi-Fi modules the APR500 offers state of the art connectivity.

The APR500 comes with some useful new functions: **SCALE Mode** for the collection of weighing data from major brands of scales – **SPEED Mode** for continuous reading and data collection – **RACE Mode** for fast race reading in combination with the ASR static readers – **TASK Mode** for the simple creation of complex tasks for data collection.



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## Advantages of APR500

- The APR500 Reader is compatible to the ISO Standard 11784/85 and reads FDX-B and HDX with a very good reading range.
- Due to the handy design and the pocket size of its robust IP 64 case the reader is very comfortable even under worse conditions.
- The large backlit graphic LCD can display up to 5x20 characters. Various languages are possible. The ergonomic mobile phone style Keyboard with 21 Keys ensures easy and comfortable operation.
- For the data communication, the APR500 has USB, RS232 and Class 1 Bluetooth on board. With the optional GPRS or Wi-Fi state of the art wireless data communication are possible.
- In the CLASSIC Mode user-defined action codes and numeric values can be combined with the ID. Visual IDs or farm numbers that can be assigned in the field and can be displayed in addition. The two HOTKEYS of the APR 500 can be programmed individually to run a combination of commands just by one button.
- In the TASK Mode user defined sequences of actions or commands are possible. The tasks consist of several loops (e.g. at lambing or loading) and lists (e.g. medicines). The creation of the tasks with the TASKTOOL software is very simple.
- In the SCALE Mode the APR500 can collect weighing data from mayor brand scales via RS232 or Bluetooth and save them with the ID.
- The SPEED Mode enables continuous reading and fast data collection.
- The RACE Mode offers a flexible and very economic solution for fast race reading with display and memory in combination with the stationary readers of Agrident.
- For convenient power management the exchangeable AA Type batteries can be recharged internally via USB without an additional power supply.
- The APR500 can be used with external stick antennas like the AEA580 or the mountable AMA060 antenna, which allows one-hand operation.

## Technical Data of APR500

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|--------------------------|--|
| <b>Frequency</b>         | 134.2 kHz  |
| <b>Transponder types</b> | HDX compatible (ISO 11784/5)<br>FDX-B compatible (ISO 11784/5)<br>Optional H4002 compatible  |
| <b>Reading range</b>     | Approx. 25 cm with HDX<br>transponder Ø 30 mm<br><br>Approx. 20 cm with FDX-B<br>Transponder Ø 30 mm   |
| <b>Interfaces</b>        | USB with the APC500 cable or via<br>optional docking station ADS500<br><br>RS232 using the APC510 cable<br><br>Plug for external antenna<br><br>Bluetooth Class 1 module<br>(Master capable)<br><br>Optional:<br>GPRS or Wi-Fi |
| <b>Memory</b>            | Flash for 6000 data set  |
| <b>Power supply</b>      | 2 x 1.2 V AA Batteries, exchangeable<br><br>Internal charging of supplied NiMH<br>batteries via USB  |
| <b>Protection</b>        | IP 64  |
| <b>Temperature range</b> | -20 to 60°C  |
| <b>Dimensions</b>        | L x W x H: 175 x 92 x 40 mm  |
| <b>Weight</b>            | approx. 350 g  |

## Accessories for APR500

- **AMA060/090**  
External Antennas
- **AEA580** External Antenna
- **ACC 500** Car Adaptor
- **ADS500** Docking Station
- **USB** Adaptor