

## ASR700 – The long-range Reader with DSP and Autotuning function ATF

The stationary long-range ISO reader ASR700 has a DSP (Digital Signal Processor) that reduces the influence of electromagnetic noise to the reading range significantly. It achieves a very good reading range even in rather noisy environment.

The patented autotuning function ATF simplifies the first installation and also ensures best reading range for the continuous operation. The optional ASG666 housing with IP 66 protection and Plug'n read design provides easy installation and operation.



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## Advantages of ASR700

- Due to the DSP (Digital Signal Processor) the ASR700 achieve good reading ranges even in rather noisy environment e.g. in slaughterhouses, packing plants or markets.
- The patented automatic tuning by command, ensures the best tuning even under changing environmental conditions (temperature, metal).
- Another outstanding feature is the patented Integrated Diagnosis Function IDF that enables on-site diagnosis for noise problems without additional hardware like an oscilloscope or system analyzer. IDF makes trouble-shooting on-site more convenient and effective.
- The readers are in accordance with ISO 118784/5 and therefore read all FDX-B and HDX transponders with a very good reading range.
- The ASR700 readers are designed for continuous operation even under worse conditions.
- The ASR700 is designed to power one or two large antenna panels.
- The optional ASG666 case is protected according to IP 66. It withstands harsh environmental circumstances and provides colour-coded plugs.
- The ASG666 case has 3 integrated LEDs that indicate the status of operation and an integrated key for the tuning.
- With the new Plug'n Read design of the ASG666 the connection of the system has become much faster and more convenient.
- The clock synchronisation enables applications with several reader/antennas in close proximity. Wireless HDX-synchronisation is possible.
- ATF is protected by USP 6, 070, 803 and EP 0 625 832 B1

## Technical Data of ASR700

<b>Frequency</b>	134,2 kHz
<b>Transponder types</b>	HDX compatible (ISO 11784/5) FDX-B compatible (ISO 11784/5)
<b>Reading range</b>	with antenna ASA012  up to 120 cm with HDX transponder of Ø 30 mm  up to 110 cm with FDX-B transponder of Ø 30 mm
<b>Interfaces</b>	RS232 or RS485 selectable
<b>Power supply</b>	12-14 V DC, max. 1000 mA
<b>Protection level</b>	IP 66 acc. EN 60 529 (ASG666 only)
<b>Temperature range</b>	-10°C to 60°C
<b>Dimensions</b>	L x W x H: 240 x 200 x 85 mm
<b>Weight</b>	Approx. 1800 g incl. ASG666 housing
<b>Approvals</b>	CE, FCC part 15 class A, Canada Industry Standard, CCIA, JRC

## Accessories for ASR700

■ **ASG666** IP66 housing  
■ **AZE156** Power supply

■ **ASA006 to 215** Antenna  
for ASR700

■ **AWM100** Class 1  
Bluetooth Module