



## DSP long-range Readers ASR700/ASR766

### **The Readers with DSP and autotuning ATF.**

The new stationary long-range ISO reader ASR700 has a DSP (Digital Signal Processor) that reduce the influence of noise dramatically. The patented autotuning function ATF simplifies the first

installation and also ensures best reading range for the continuous operation. The ASR766 has a robust case with IP 66 protection that provides easy operation by integrated LEDs and a function key.

## Advantages of ASR700 and ASR766

■ Due to the DSP (Digital Signal Processor) the ASR700 achieve good reading ranges even in rather noisy environment e.g. in slaughterhouses or markets.

■ The patented automatic tuning, at power-on or by command, ensure the best tuning even under changing environmental conditions (temperature, metal)

■ Another outstanding feature is the patent pending Integrated Diagnosis Module IDM that enable on-site diagnosis for noise problems without additional hardware like an oscilloscope or system analyzer.

■ 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 in slaughterhouses, scales or sorting gates even under worse conditions.

■ The robust case of the ASR766 is protected according to IP66. It withstands harsh environmental circumstances.

■ The ASR700 is designed to power one or two large antennas e.g. at a walk-through gates.

■ The case of the ASR766 has 3 integrated LEDs that indicate the status of operation and an integrated function key for the tuning.

■ The clock synchronisation enables application with several reader/antennas in close environment.

■ ATF is protected by USP 6, 070, 803 and EP 0 625 832 B1

## Technical Data ASR700 and ASR766

<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 130 cm with HDX transponder of Ø 30 mm up to 115 cm with FDX-B transponder of Ø 30 mm
<b>Interfaces</b>	RS232 or RS485
<b>Power supply</b>	14 V DC, max. 1000 mA
<b>Protection level</b>	IP 66 acc. EN 60 529 (ASR766)
<b>Temperature range</b>	-10°C to 60°C
<b>Dimensions</b>	L x W x H: 300 x 195 x 160 mm
<b>weight</b>	approx. 3800 g (ASR766)

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