



Stationary Readers ASR500 and ASR554

The Readers with autotuning ATF.

The new stationary ISO readers ASR500 and ASR554 have a patented autotuning function ATF as a unique feature in these class of readers. The autotuning function not only simplifies the first

installation but also ensures best reading range for the continuous operation. The ASR554 has a robust case with IP 66 protection that provides easy operation by integrated LEDs and a function key.

Advantages of ASR500 and ASR554

- Autotuning with ATF makes the first installation very easy because the reader finds the best tuning for the antenna and environment automatically.
- Repeated tuning by ATF, at power-on or by command, ensures the best tuning even under changing environmental conditions (temperature, metal).
- Another outstanding feature is the patent pending **I**ntegrated **D**iagnosis **M**odule **I**DM that enable on-site diagnosis for noise problems without additional hardware like an oscilloscope or system analyzer.
- The readers are in accordance with ISO 11784/5 and therefore read all FDX-B and HDX transponders with a very good reading range. Transponders with widespread H4102 chip can be read optional.
- The ASR readers are specially designed for continuous operation in feeding stations, scales or sorting gates even under worse conditions.
- The robust case of the ASR554 is protected according to IP 66. It withstands harsh environmental circumstances.
- The operating voltage of 12 to 24 Volt provides more flexibility at the power supply.
- The case of the ASR554 has 3 integrated LEDs that indicate the status of operation. An integrated action key makes special operations very easy.
- 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 ASR500 and ASR554

Frequency	134,2 KHz
Transponder types	HDX compatible (ISO 11784/5) FDX-B compatible (ISO 11784/5) H4002 compatible (optional)
Reading range	with antenna DAF006 up to 80 cm with HDX transponder of Ø 30 mm up to 55 cm with FDX-B transponder of Ø 30 mm
Interfaces	RS232 or RS485
Power supply	13 to 24 V DC, 400 mA max., linear, stabilized
Protection level	IP 66 (only ASR554)
Temperature range	0 to 60°C
Dimensions	ASR500: L x W x H: 160 x 100 x 38 mm ASR554: L x W x H: 192 x 185 x 90 mm
Weight	approx. 600 g (ASR554)

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