



RFO-LF AML-FIX550

UHF Animal Stationary Mid-Range

DATA SHEET

Product Description	RFO-LF AML-FIX550
<p>The new RFO-LF AML-FIX550 is much less sensitive against electrical interference and metal in the environment. In combination with the patented Autotuning function they offer a simple installation and more easy integration in all types of applications.</p> <p>In addition to the standard RS232 and RS485 interfaces optional Ethernet and Bluetooth modules are offering the whole range of modern communication. An outstanding feature is the multiplexing of up to 8 Antennas with the optional multiplexing units.</p> <p>Highlights:</p> <ul style="list-style-type: none"> - compatible to the ISO Standard 11784/5 and the new ISO14223 HDX transponders - new antenna design offers less influence of metal and electromagnetic interference on the reading range - The reader provides several Autotuning (ATF) possibilities - designed for continuous operation in feeding stations, scales or sorting gates – even under worse conditions - RS232/RS485 interface as standard and optional with Bluetooth or Ethernet modules - voltage range from 12 to 24 Volt provides more flexibility regarding the power supply 	
Technical Specification	
Operating Frequency	134.2 kHz
Transponder types	HDX and FDX-B compliant according to ISO11784/11785
Read range	Approx. 90 cm HDX & 80 cm FDX transponder of Ø 30 mm with an Antenna of 50x60 cm
Interfaces	RS232 (9600 - 115200 Baud) / RS485 (9600 - 115200 Baud) Optional: • Bluetooth Class 1 (Master or Slave Mode) • Ethernet
Synchronization	Wireless (for HDX only) Wired Sync. for HDX and RF-Carrier for FDX optional
Multiplexing (optional units)	MPL050 (2 channels) MPL100 (4 channels) MPL200 (8 channels)



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Power supply	12 to 24 V DC, 2 A max		
Protection	IP 66 (with HOUS566 housing only)		
Temperature range	-10 to +60°C		
Dimensions (LxWxH)	HOUS550 - L x W x H: 160 x 100 x 30 mm HOUS566 - L x W x H: 192 x 185 x 90 mm		
Approvals	CE, FCC, IC		
Accessories			
Antennas (IP65)		LF-ANT203 320x300x25 mm 1.5kg incl. cable	
			LF-ANT206 600x500x25 mm 3 kg incl. cable
Connection box With this you can use the LF-ANT203/206 in double sided arrangements with one reader only, e. g. at gates or in scales			
Antenna Cables		LF-CAB202 > 2 meter LF-CAB203 > 3 meter	
HOUS566 transforms teh Reader boards into Robust IP66 device			Protection level: IP 66 acc. EN 60 529 Temperature range: -10°C to 60°C Dimensions L x W x H: 195 x 165 x 90 mm Weight approx.: 500 g
Multiplexer (allows you to use 4-8 antennas with RFO-LF AML-FIX550 (MPL100/200)			Power supply: 110 to 230 Volt Protection level: IP 66 acc. EN 60 529 Temperature range: -10°C to 60°C Dimensions L x W x H: 195 x 165 x 90 mm Weight approx.: 1100 g
Add-On Modules			
			
FIX550-BT100	FIX550-ETH100	FIX550-WIFI100	FIX550-ISO100
Article no:			
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Typical Applications			
Animal	Retail	Veterinary	