






## AGX-21-LF Industrial Animal Reader


<b>Product Description</b>		<b>AGX-21-LF Animal Reader</b>
<b>Electrical Characteristics</b>		
Operating Frequency	134 kHz +/- 0.5% (at RT)	
Antenna:	For one or two Antennas (Gate), for two antennas only with antenna splitter TPF-21-AS	
Read Distance:	Up to 90 cm (depending on the transponder shape, power supply and antenna design)	
Transponder Types:	<b>All ISO 11784 / 11785, FDX-B and HDX,</b> Like : ZOODIAC, EM4x05 HITAG-S in FDX-B mode Texas Instruments TIRIS	
<b>Thermal &amp; Environmental Characteristics</b>		
Operating Temperature	-25 °C to +55 °C	
RoHs Compliance	<input checked="" type="checkbox"/> <b>RoHS</b> YES	
Interface	RS232	
<b>Physical Characteristics</b>		
Dimensions:	260 x 230 x 80 mm	
Housing:	Plastic with IP65, two external LED's (Power, TAG read)	
Power supply:	Optional 110 /240 VAC power supply board TAC-12-12 (Page 2)	
Certifications:	CE	
Marketing tool:	The TPF-21 is a ISO 11784 /5 long range reader. TPF-21 is a true ISO 11784 /5 reader for FDX-B and HDX transponders, based on the latest developments in DSP technology. The optional powers supply board TAC-12-12 for 110VAC /230VAC is optimized to offer a maximum performance with the TPF-21 product. Reading distances of up to 0,9 m (depending on transponder shape) can be achieved.	
Features:	Reader drives up to 2 Antennas (with antenna Splitter TPF-21-AS) • High performance power supply available • Full ISO 11784 /5 • Long range performance with FDX-B • Long range performance with HDX	
Technical certificates:	 <b>The integrated reader board hardware is compliant with:</b> FCC part 15 subpart C (USA), RSS-210 (Canada), AS 4268.1 (Australia) AS/NZS 3548(1997), Edition 3, 1995 Class B (New Zealand),	
<b>Article no:</b>		
Article no:	Animal Reader	AGX-21-LF
	Antenna splitter	AGX-21-AS
	Analogue power supply for long range reading.	AGX-12-12
	Antenna 800 x 600 x 20 mm	AGX-48-AA
<b>Typical Applications</b>		
Livestock		
Slaughter house		
Waste management (BDE)		


**Contact:**


sales@agilox.com  
www.agilox.com

Product Description	AGX-21-LF + Options
<b>AGX-21-LF Reader</b> Dimensions (LxWxH) 260x230x80 mm Input : 11,6...27 V DC / 7 Watt Operating Temperature -25°C to +55°C	

<b>AGX-21-AS Splitter:</b>	Splitter to connect 2 antennas on 1 reader  
----------------------------	---

<b>AGX- 48-AA Antenna:</b> Antenna read distance with one antenna 80x60x2 cm: ZOODIAC 2x12 mm 45 cm ZOODIAC 3x13 mm 45 cm ZOODIAC 3x15 mm 57 cm ZOODIAC 4x22 mm 70 cm ZOODIAC 4x34 mm 90 cm ZOODIAC Ear tag 90 cm	  <p style="color: red;">*The reading distance could be increased (near to double range) by building a gate by using 2 antennas.</p>
--	--

<b>AGX-12-12 Power Supply:</b>	Dimensions (LxWxH) 190 x 112 x 51 mm  
--------------------------------	---

Description:	Industrial Power Supply for Industrial Animal Readers
Primary voltage:	115 / 230 V AC (Voltage selector)
Secondary voltage:	12 V DC
Output current:	Max. 2 Ampere
Typ. supply Current:	1 A
Housing:	Aluminium IP 65
Operating temperature:	-20°C....+50°C
Technical certifications:	

### Typical Applications

Livestock
Slaughter house
Waste management (BDE)