






LF RFID Long Range Reader
134 kHz FDX-B HDX
ISO ANIMAL (BDE) STANDARD
ISO/IEC 11784/785
ISO/IEC 18000-2


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)
Housing:	Plastic with IP65, two external LED's (Power, TAG read)
Dimensions:	260 x 230 x 80 mm
Power supply:	Optional 110 /240 VAC power supply board TAC-12-12 (Page 2)
Operating temperature:	-25°C to +55°C
Transponder types:	All ISO 11784 / 5 , FDX-B and HDX, Like : ZOODIAC, EM4x05 HITAG-S in FDX-B mode Texas Instruments TIRIS
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:	<ul style="list-style-type: none"> • 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:	CE 
Interface:	RS232
Part number:	TPF-21-AA TAC-12-12 analogue power supply for long range reading.

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TPF-21:	Dimensions (LxWxH) 260x230x80 mm Input : 11,6...27 V DC / 7 Watt Operating Temperature -25°C to +55°C	
Read distance:	<p>Read distance with one antenna 80x60 cm:</p> <p>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> <p>*The reading distance could be increased (near to double range) by building a gate by using 2 antennas.</p>	

Optional Power Supply



Description:	Industrial Power Supply for TECTUS Industrial 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	
Dimensions:	190 x 112 x 51 mm	
Operating temperature:	-20°C....+50°C	
Technical certifications:	CE	
Part number:	TAC-12-12	

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