




**AGX-270Ex-UHF**  
**Long range antenna**  
**ATEX Zone 2 / 22**



<b>Product Description</b>		<b>AGX-270Ex UHF antenna</b>
<p>ATEX Zone 2 /22 certified Long Range (Far-field) UHF Antenna to be used from system integrators for integration in facilities /plants and systems to identify equipment, vehicles or people by means of UHF RFID technology from defined, long distance</p> <p>- For example for automatic part identification during the supply chain, in the application of people or vehicle access control and all kind of other logistics applications etc.</p> <p>- In cooperation with the AGX 80Ex UHF ATEX Zone 2 /22 certified ATEX UHF RFID readers system integrators and operators of industrial facilities are able to create complex UHF RFID systems in hazardous areas ATEX Zone 2 /22.</p> <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>- Recommended for Far-field applications</li> <li>- Versions with 30° or 70° beamwidth</li> <li>- Wide read range up to 10 m</li> <li>- Selectivity dependent upon reading distance</li> <li>- ATEX UHF Antenna to be connected to ATEX UHF Reader AGX 80Ex UHF ETH</li> </ul>		
<b>Electrical Characteristics</b>		
Operating Frequency	UHF 860 - 960MHz	
Transponder Types:	all ISO 18000-6 EPC Class 1 Gen 2 UHF	
<b>Thermal &amp; Environmental Characteristics</b>		
Operating Temperature	-20°C up to +55°C	
<b>Physical Characteristics</b>		
Compliance:	CE, RoHS	
Length:	270 mm	
Width:	270 mm	
Thickness:	45 mm	
Weight:	1,7 kg	
IP Class	IP65	
Antenna gain:	8,5 dBic @ 866 MHz	
Antenna connector:	TNC-socket 50 Ohm (female)	
Read range:	< 10 m	
Polarization:	Circular	
Far Field Half Power Beamwidth:	69°	
Voltage Standing Wave Ratio:	1,2 : 1	
Ex Marking:	 tc III B 125° Dc IP65 na II B T4 Gc	
Assosiated Accessories:	Mounting Set: Wall/mast clamp	
Assosiated Readers:	<b>AGX 80Ex UHF</b>	
<b>Article no:</b>		
Article no:	<b>AGX-270Ex UHF</b>	
<b>Typical Applications</b>		
All LF RFID applications in ATEX Zones 2 / 22		

**Contact:**

sales@agilox.com  
www.agilox.com