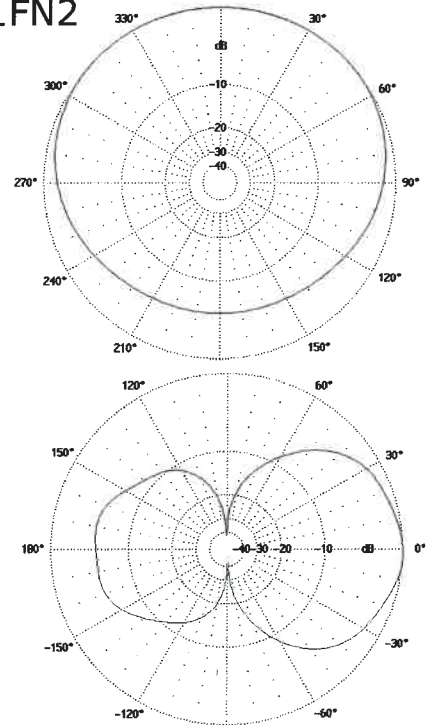



ATEX APPROVED LOW GAIN BASE STATION ANTENNA AV1312-1A-EXnA-131FN2



Type	AV1312-1A-EXnA-131FN2
Frequency	118...136 MHz / 118...144 MHz
Bandwidth	18 MHz / 26 MHz
Impedance	50 Ω DC grounded
VSWR	1,5 typical
Polarisation	Vertical
Gain	2 dBi nominal in free space *) 4 dBi nominal at the top of a 60mm tube (L=4xdipole length) *) 4 dBi nominal at the side of a 60mm tube (L=4xdipole length) *) For other mounting configurations please contact Aerial Oy
E-plane 3 dB beamwidth	70°
H-plane 3 dB beamwidth	200°/depending on mounting *)
Electrical downtilt	None
Front to back ratio	6 dB/depending on mounting *)
Max. Continuous power	In non-ATEX environment: -500W CW, limited by input connector In ATEX environment: -Group IIC:2,0W (33,0dBm) -Group IIB:3,5W (35,4dBm) -Group IIA:6,0W (37,7dBm) -All three EIRP-power values
RF-connector	N-female on a 1000mm fixed jumper
Operational windspeed	40 m/s (default)
Survival windspeed	55 m/s (default)
Effective wind area (A_{eff})	0,10 m ²
Dimensions (H x W x D) (\varnothing x H)	1021 x 160 x 659 mm
Weight	7 kg antenna only, add 2 kg for standard mounting kit AETM160-6-A4
Mounting diameter	\varnothing 30...115 mm pipe standard mounting kit AETM160-6-A4
Materials	AISI304 AISI316 Glass reinforced PE
Options	Mounting kit and colour
Atex marking	 II 3G, Ex nA IIA/IIB/IIC T6 Gc
Ambient temperature	-45 °C \leq Tamb \leq +60 °C (Class T6)

*) Limited and/or controlled when used in ATEX-environment. See related EC DECLARATION OF CONFORMITY ATEX Directive 94/9/EC, TYPE EXAMINATION CERTIFICATE, installation instruction and their attachments for more details, information and before installation and assembly.