

COLU-100/4 A B C D

COLINEAR FIXED ANTENNA OMNIDIRECTIONAL UHF

This antenna is supplied with 4 elements mounted in line (offset).

They can be oriented as required by the system, 2 to 2 opposite each other, or at 90° in sequence from the.

The fixing support consists of 2 angles and 2 clamps that come with the antenna. They must be fixed to the tower or mast so that their spacing is between 2,200 and 2,500 millimeters, so that the antenna, place the appropriate connector (male N) on the coaxial cable (50 Ohms), bring it close to the antenna, fix it to the support so as not to force the antenna connector, make the connection and waterproof it with self-fusing insulating tape to ensure quality and longevity for the system.

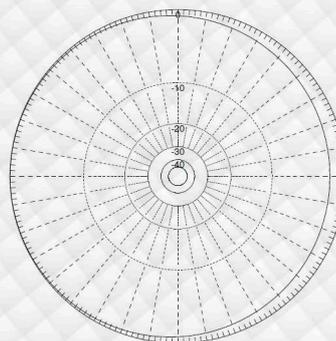
Attention: Observe the marking and drilling on the elements that must be assembled downwards.

Code	Model	Range
502120	COLU-100/4A	420 / 440 MHz
502121	COLU-100/4C	460 / 490 MHz
502122	COLU-100/4D	480 / 515 MHz
502123	COLU-100/4	400 / 430 MHz
502125	COLU-100/4B	440 / 470 MHz

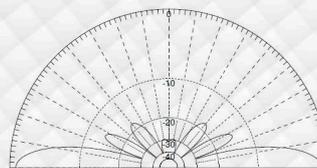
ELECTRICAL SPECIFICATIONS	
VSWR	≤ 1,5 : 1
Polarization	Vertical
Nominal impedance	50 Ω
Maximum power	350 Watts
1/2 power angle	Plan H 410 MHz 190°
1/2 power angle	Plan E 410 MHz 14°
Protection	Grounded elements

MECHANICAL SPECIFICATIONS	
Gondola diameter	44,45 mm
Gondola length	2700 mm
Weight	8,260 Kg
Wind exposure area	0,171 m ²
Termination	N female
Basic material	Aluminum
Operating wind	≥ 110Km/h
Wind of survival	≥ 200Km/h

GAIN	SETTINGS
8,15 dBi	Omnidirectional dipoles
8,15 dBi	Bidirectional dipoles
11,15 dBi	Offset dipoles



Horizontal polarization



Vertical polarization

