



VEGA 50

GENERAL DESCRIPTION

VEGA 50 has a wide usage area thanks to its high lifting force and high encoder sensitivity. It can be easily adapted to fixed platforms

VEGA 50 is designed to support RS-232/422/485 and Ethernet protocols. It can also be directly controlled by Magnetron Antenna Control Unit (ACU), Mobile Ground Station or tablet without a computer.

Self-locking gear units in VEGA 50 locks itself on both axes even when the system is turned off.



KEY SPECIFICATIONS

- Up to 50 Kg Payload Capacity
- Integrated Heater
- 7/24 All-Weather Outdoor Usage

VEGA 50

MAGNETRON



TECHNICAL DATA

Mechanical

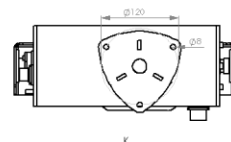
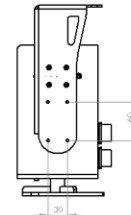
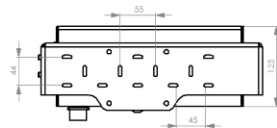
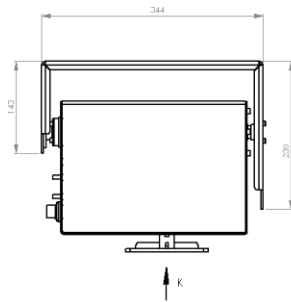
Pan Speed	0.0008 RPM to 20 RPM (0.005°/s - 120°/s)
Tilt Speed	0.0008 RPM to 15 RPM (0.005°/s - 90°/s)
Azimuth Angle	720° or Nx360° (Slip-Ring)
Elevation Angle	±90° (180°)
Payload Capacity	50 Kg
Resolution	0.005°
Position Repeatability	0.01°
Backlash	0.12°
Rotational Limits	Fixed and Programmatically Adjustable
Motor Type	Hybrid Servo Motor
Material	Stainless Steel
Powder Coated	Powder Coated
Dimension (mm)	344x 295x 125
Weight (Kg)	23Kg

Environmental Test Standards

Mechanical	MIL-STD-810G
EMI/EMC	MIL-STD-461F

Electrical

Operating Voltage	18-48 VDC (220 VAC Optional)
Current Consumption	Max. 5 A @ 24 VDC
Heater (Adjustable)	Max. 25 Watt
Position Feedback	Optical Encoder
Control Interface	Ethernet, RS-232/422/485
Control Protocol	Magnetron ACU, Pelco-D
Connectors	MIL-DTL-38999
Sensors	Pressure, Temperature, Humidity, RTC, Gyroscope
GNSS Receiver	L1 Bant, 2.5 m (GPS&GLONASS), 0.05 m/s, 0.3°
MTBF	45.000 hour
Operating Conditions	
Temperature	-40°C to +60°C
Humidity	%95 R.H.
Altitude	50000 ft
IP Rating	IP67
Storage Conditions	
Temperature	-40°C to +70°C
Humidity	%95 R.H.
Altitude	50000 ft



All units in mm