



VEGA 25

GENERAL DESCRIPTION

VEGA 25 has a wide usage area thanks to its high lifting force and high encoder sensitivity. It can be easily adapted to mobile or fixed platform mounted usage.

VEGA 25 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 25 locks itself on both axes even when the system is turned off.



KEY SPECIFICATIONS

- Up to 25 Kg Payload Capacity
- Self Locking Gear System
- Mobile or Fixed Platform Mounted Usage

VEGA 25

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	25 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)	330x 240x 166
Weight (Kg)	12 Kg

Environmental Test Standards

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

Electrical

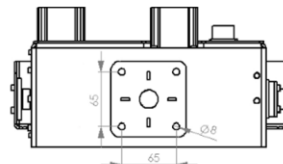
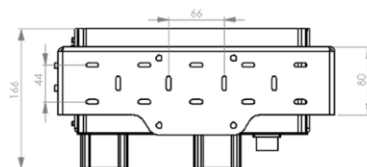
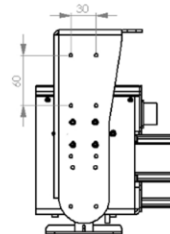
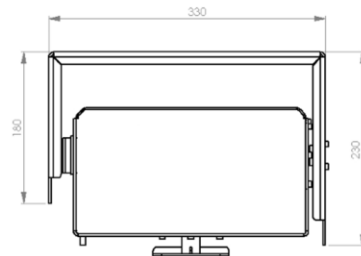
Operating Voltage	18-48 VDC (220 VAC Optional)
Current Consumption	Max. 3.5 A @ 24 VDC
Position Feedback	Optical Encoder
Control Interface	RS-232/422/485, Ethernet
Control Protocol	Magnetron ACU, Pelco-D
Connectors	MIL-DTL-38999
Sensors	Pressure, Temperature, Humidity, RTC, Gyroscope L1 Bant, 2.5 m
GNSS Receiver	(GPS&GLONASS), 0.05 m/s, 0.3°
MTBF	45.000 hour

Operating Conditions

Temperature	-20°C to +55°C
Humidity	%95 R.H.
Altitude	50000 ft
IP Rating	IP66

Storage Conditions

Temperature	-40°C to +70°C
Humidity	%95 R.H.
Altitude	50000 ft



All units in mm