

# ESY MA100



## Technical Specifications

the ESY MA100 is specifically designed to meet even the hardest requirements in harsh seas. the ESY MA100 guarantees excellent network availabilities even under the most challenging conditions.

The ESY MA100 combines the advantage of contained weight and dimensions with an astonishing tracking speed and all the reliability of the Ku-Band, in order to give to its users the best internet experience possible.



## Features

- high surface accuracy, 100 cm Composite reflector
- 3 automatic axes Azimuth, Elevation and Polarization
- Handy panel for user interface
- ship's Motion:  $\pm 25^\circ$  Roll and  $\pm 15^\circ$  Pitch
- Azimuth Range: unlimited
- Stabilization mode to compensate sea waves
- Resistant to corrosion and rusting

The result is a robust and rugged stabilized antenna system with high tracking accuracy.

In short, the perfect solution for those who venture into the open seas without wanting to give up a stable and fast internet connection.

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### Mechanical

Reflector	1 m fiber carbon dish
Azimuth	unlimited
Elevation	0 – 105°
Polar	±130°
Tracking Speed	257Sec
Maximum ship motion	Roll ±25° @ 6 Second Pitch ±20° @ 6 Second Yaw ±8° @ 6 Second

### RF

	Receive	Transmit
Frequency(GHz)	10.95-12.75	13.75-14.50
Minimum E.I.R.P	43 dBW	
Midband Gain (+/-0.2dBi)	39.5dBi@11.3	41.2dBi@14.25
LNB oscillator standard	Low band 9.75-10.000 High band 10.600-11.300	
LNB oscillator standard	4W (additional option available)	
VSWR	1.3:1	
RF Interface coaxial	RG6	
Lock on Time	30 sec	

### General

Deployment	GPS Antenna
Sensors	Compass ±0.8° Tilt sensor ±0.1°
Temperature	
Operational Temperature	-25° – 55°
Survival Temperature	-40° – 65°
Weight	65 kg
Dimension	D 120 cm H 140 cm
Position acquisition	Internal GNSS (GPS / Glonass / Galileo /Beidou / QZSS)
Power supply	220 V AC
Power consumption	200 W

### Control unit

Handy panel Dimension	6*14*2.5 cm
Weight	70 g
Interface	Rs232
Local user interface	128x64px OLED- Display, 4 Status-LEDs, 9 Push-Buttons
Operational Temperature	-25° – 55°
Survival Temperature	-40° – 65°

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Specifications are subject to change Jan 2022