



Size:

2.40m

## PFMA-240

### Precision Tracking

The PFMA-240, integrated with the PAC-700 Antenna Controller, delivers an advanced solution for demanding applications requiring precise tracking and complex geometries. This powerful combination ensures reliable operation in dynamic environments, making it ideal for missions where accurate positioning and robust performance are essential.

### Intelligent Control

The PAC-700 offers accurate, intuitive control of motorized systems through a refined menu-driven interface. This state-of-the-art automatic positioning system minimizes operator input while ensuring precise antenna positioning.

### Universal Compatibility

Compatible with virtually any antenna system, the PAC-700 supports a wide range of applications through its modern Ethernet interface. Designed with upgradability in mind, this solution ensures your system remains current with evolving technology standards, providing long-term value and adaptability for future mission requirements.

## Key Features

- C, X, Ku and Ka Bands available
- Integrated AGC Receiver for Modem Integration
- PC-based Automated Computer Control with P-Series ACU
- Fully Automated Satellite Signal Acquisition in 3 min.
- User Configurable Target Pointing
- Satellite Memory Tracking
- Fully Responsive Web Interface (SNMP Support)
- Event and Alarm Logging
- 3 Level User Access
- Configurable Visual and Audio Alarms





GENERAL SPECIFICATIONS

Reflector Diameter	2.4m
Reflector Material	Glass Fiber Reinforced Polyester SMC
Antenna Optics	Offset Prime Focus

RF CHARACTERISTIC

	C-Band	X-Band	Ku-Band	Ka-Band
Frequency (GHz) Tx	5.845 ~ 6.425	7.90 ~ 8.40	13.75 ~14.5	29.20 ~ 31.00
Frequency (GHz) Rx	3.625 ~ 4.20	7.25 ~ 7.75	10.70 ~ 12.75	19.40 ~ 21.20
Antenna Gain (±0.2 dBi) Tx	42.00	44.4	49.20	54.30
Antenna Gain (±0.2 dBi) Rx	38.00	43.7	47.40	51.50
Antenna Noise Temperature (K) 5° Elevation	61	-	56	154
Antenna Noise Temperature (K) ° 10 Elevation	53	38	51	128
Antenna Noise Temperature (K) ° 20 Elevation	49	33	48	108
Antenna Noise Temperature (K) ° 40 Elevation	49	29	41	97
VSWR Tx	1.3:1	1.25:1	1.3:1	1.3:1
VSWR Rx	1.3:1	1.25:1	1.3:1	1.3:1
Power Capability Tx	1kW	2kW	100W	100W
Feed Interface Tx	CPR-137	WR-112	WR-75	WR-28
Feed Interface Rx	CPR-229	WR-112	WR-75	WR-42

MECHANICAL SPECIFICATIONS

	Azimuth	Elevation
Antenna Motion Range	± 110°	5~90°
Antenna Speed	0.025 ~ 1°/S	0.025 ~ 0.4°/S
Power Supply	AC110~230V 50/60Hz	
Motor	DC Motor	

ENVIRONMENTAL SPECIFICATIONS

	PFMA-240
Temperature Range Operational	-15°C +50°C
Temperature Range Survival	-40°C +60°C
Wind Speed Operational	72 km/h to 97km/h
Wind Speed Survival	200 km/h
Relative Humidity	0% to 98%

Specifications are subject to change.

