

PAN TILT

TS-MPT HD SERIES

The HD series are precision positioner units with high torque. The positioner units have variable transmission ratio and this feature make them perfect. Thanks to the this feature, the positioner units can be used for almost all applications where needed high torque and high power.

FEATURES

- It can be used in high frequency antennas applications with optional RF output.
- High duty cycle
- IP67 environment protection
- %100 CNC Machined from high strength 6000 series aluminium and stainless



Payload Capacity up to 200 kg



Accuracy 0,02°



Repeatability 0,02°



TEHNICAL DATA / TS-MPT HD SERIES

Product Code	TS-MPT-HS-1	
Payload Capacity	120 kg	
Rated Torque at Tilt Axis	200 Nm	
Power Consumption		
Max. Power Consumption	750 W	
Standby Power Consumption	80 W	
Heater Power	60 W	
Operating Voltage Range	44-52 V	
	Pan Coo (Coo is a coo	
Range of travel * Max. Speed	n × 360° (Continuous Rotation) 36°/s	
Min. Speed	0.005°/s	
	Tilt	
Range of travel *	180° (+90°/-90°)	
Max. Speed	24 °/s	
Min. Speed	0.005°/s	
Position Accuracy and Repeatability		
Position Accuracy	0.08°	
Position Repeatability	0.00°	
Backlash	None	
	Rotation Limits	
Software Limits	Available	
Mechanical Limits	Available at Tilt Axis der Type and Position Feedback	
Encoder Type *	Absolute Encoder	
Position Feedback	0.005°	
Operating Temperature		
Working Temperature	-32°C to +55°C	
Storage Temperature	-40°C to +60°C	
Drive Systems		
Drive System (Pan)	BLDC Motor	
Drive System (Tilt)	BLDC Motor	
Brake	Magnetic Brake	
Fabrica Finish	Construction Powder Coat Black (Default), Special Finishes Available	
Exterior Finish Weight ***	45 kg	
Dimensions ***	340.7x375x222 mm	
Payload Mounting Type	Top and Side Mount	
Ambient Conditions		
Min. Operating and Storage Temperature	MIL-STD-810G, Method 502.6 Procedure II and Procedure I	
Max Operating and Storage Temperature	MIL-STD-810G, Method 501.6 Procedure II and Procedure I	
Thermal Shock	MIL-STD 810G, Method 503.6 Procedure I-C	
Moisture Resistance	MIL-STD 810G, Method 507.6 Procedure II	
Rain Resistance	MIL-STD-810G, Method 506.6 Procedure I	
Dust and Sand Resistance	MIL-STD-810G, Method 510.6 Procedure I and Procedure II	
Icing and Freezing Rain Resistance	MIL-STD-810G, Method 521.3 Procedure I	
Protection / IP rating	IP67	



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Control of Positioner Unit		
Command and Control	GUI-Joysitck-Software	
Protocol	TS-MPT Protocol and Pelco-D	
Power Outputs to Payload *		
24 VDC - user on/off switchable	Optional	
12 VDC - user on/off switchable	Optional	
5 VDC - user on/off switchable	Optional	
Instantly Monitoring		
Power On and Run Time Monitoring	Available	
Voltage Monitoring	Available	
Current Monitoring	Available	
Communication Interfaces to Payload **		
Serial	RS232, RS422, RS485 (2 Channel Configurable)	
TTL	1 Channel	
IP	1 Channel Gigabit Ethernet	
Communication Interfaces to Pantilt		
Serial	RS232 or RS422/RS485	
IP	Optional	
Connectors *		
Main Connector	D38999/20WD35PN	
Payload Connector	D38999/20WD35SN x2	

^{*} If you have other requirements or need further assistance, please reach out to us.
** Configuration is available for particular lines including RF, SDI, HD-SDI, Fiber, etc.
*** The specified values apply to top mount setups.

Please note: Accessories such as cables and power supplies are not included in the package.

