

**HIGH-SPEED 360° TRACKING POSITIONER
DELIVERING JITTER-FREE MICRO-
DEGREE MOTION FOR REAL-TIME TARGET
ACQUISITION OF FAST-MOVING THREATS.**



OUR USP'S

- Precision dual-axis tracking enables real-time target acquisition and follows fast threats with synchronized Azimuth and Elevation motion for complete coverage.
- Safely supports ISR and heavy Radio COM payloads, providing the structural integrity needed for advanced sensor arrays and high-gain directional antennas.
- Continuous 360° rotation enabled by integrated slip-ring technology, allowing for endless cycles without the risk of cable entanglement or damage.
- Delivers milli-radian positioning accuracy, providing the extreme precision required for long-range target designation and high-bandwidth narrow-beam data links.

SALIENT FEATURES

- Integrated slip-ring technology facilitates continuous rotation cycles while maintaining a secure, high-bandwidth data and power connection to the payload.
- Fully customizable motion profiles allow operators to define specific scanning speeds and acceleration rates tailored to unique mission requirements.
- Advanced control interface allows the unit to be managed via external C2 (Command and Control) systems for integrated battlefield situational awareness.
- Real-time digital feedback for both Azimuth and Elevation provides precise orientation data back to the operator console for accurate target mapping.



TECHNICAL SPECIFICATION

Model No.	Payload (kg)	Dimensions (mm) (L x W x H)	Power Consumption	Rotational Range Sector Scan/Continuous	Tilt Range	Resolution mRad	RPM	Control Data Interface	Wind Area (m ²)
PPTMO-5M	5	220 x 160 x 245	24V DC 30W Nominal	±180° / 360°	(+ 90°) to (-20°)	Azimuth: 1.75 Elevation: 1.75	Azimuth:3 Elevation:1.6	RS422 (Ethernet-Optional)	≤ 0.2
PPTMO-10M	10	290x160x250	24V DC 200 W	±180° / 360°	±10°	Azimuth: 1.75 Elevation: 1.75	Azimuth: 0.16 to 3.3 Elevation: 0.16 to 1.6	RS422 (Ethernet-Optional)	≤ 0.4
PPTMO-15M	15	335X192X360	24V DC 200W	±180° / 360°	±20°	Azimuth: 1.75 Elevation: 1.75	Azimuth: 0.16 to 3.3 Elevation:0.16 to 1.6	RS422 (Ethernet-Optional)	≤ 0.4
PPTMO-25M	25	335 x 266 x 370	18-36V DC 80W Nominal	±180° / 360°	±20°	Azimuth: 1.75 Elevation: 1.75	Azimuth: 0.16 to 3.3 Elevation:0.16 to 1.6	RS422 (Ethernet-Optional)	≤ 0.4
PPTMO-50T	50	290X320X 220	24V DC 300 W Nominal	±180° / 360°	±20°	Azimuth: 1.75 Elevation: 1.75	Azimuth :0.16 to 5 Elevation:0.16 to 2.5	RS422 (Ethernet-Optional)	≤ 0.5
PPTMR-10M	10	200x 200 x 260	NA	±180° / 360°	±15°	Azimuth: 17.45 Elevation: 13.96	NA	NA	≤ 0.3
PPTMR-25M	25	200x 200 x 260	NA	±180° / 360°	±15°	Azimuth: 17.45 Elevation: 13.96	NA	NA	≤ 0.4
PPTXX-XX	Custom product available on request								



ACCESSORIES

Hard carrying case | Set of Cables

AS 9100D Certified

PRECISION ELECTRONICS LTD.

"We always know who we are working for"

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