



PT25 Pan and Tilt Positioner

The PT25 is an Oceanographic or Nuclear Pan & Tilt positioner featuring a reliable and rugged design, 6,000 meter depth rating, 30 or 45 ft-lbs torque output, 120 VAC or 24 VDC power, an Aluminum housing, and an Impulse LPMBH connector. The PT25 has a 1-year warranty.

	AC Power	DC Power
Payload	100 lbs (45 kg)	100 lbs (45 kg)
Torque	30 ft-lbs (40 N-m)	45 ft-lbs (61 N-m)
Accuracy	+/- 1.5° (90 arc minutes)	+/- 1.5° (90 arc minutes)
Scan Range	0 – 360° (both axes)	0 – 360° (both axes)
Rotation Speed	5.4° / sec	0.5-10° / sec
Power	120 VAC 50/60 Hz @ 0.5 Amps per axis	24-30 VDC @ 1.7 Amps per axis
Control	AC: Optional ROS controller available	RS-485 (half duplex)
Motors	Brushless stepper	Brushless stepper
Depth rating	Air filled: 30 meters (98') Oil filled: 6,000 meters (19,685')	Air filled: 30 meters (98') Oil filled: 6,000 meters (19,685')
Housing material	Aluminum	Aluminum
Size	Air: 11.25"H x 7.85"W Oil: 11.25"H x 9.55"W	Air: 11.25"H x 7.85"W Oil: 11.25"H x 9.55"W
Weight	Air: 19.2 lbs (air), 21.5 lbs (oil) Water: 10.2 lbs (air), 12.5 lbs (oil)	Air: 19.2 lbs (air), 21.5 lbs (oil) Water: 10.2 lbs (air), 12.5 lbs (oil)
Temperature Range	Operating: -20°C to 50°C; (-4°F to 122°F) Storage: -30°C to 60°C; (-22°F to 140°F)	Operating: -20°C to 50°C; (-4°F to 122°F) Storage: -30°C to 60°C; (-22°F to 140°F)
Radiation Tolerance	AC: 1 x 10 ⁸ rad (max accumulated dose)	N/A
Connectors	Impulse LPMBH-5-MP (standard)	Impulse LPMBH-4-MP (standard)



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