



### PT25 Pan and Tilt Positioner

The PT25 is an Oceanographic or Nuclear Pan & Tilt positioner featuring a reliable and rugged design, 3,000 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
<b>Payload</b>	100 lbs (45 kg)	100 lbs (45 kg)
<b>Torque</b>	30 ft-lbs (40 N-m)	45 ft-lbs (61 N-m)
<b>Accuracy</b>	+/- 1.5° (90 arc minutes)	+/- 1.5° (90 arc minutes)
<b>Scan Range</b>	360° continuous	0 – 360° (both axes)
<b>Rotation Speed</b>	5.4° / sec	0.5-10° / sec
<b>Power</b>	120 VAC 50/60 Hz @ 0.5 Amps per axis	24-30 VDC @ 1.7 Amps per axis
<b>Control</b>	AC: Optional ROS controller available	RS-485 (half duplex)
<b>Motors</b>	Brushless stepper	Brushless stepper
<b>Depth rating</b>	Air filled: 30 meters (98') Oil filled: 3,000 meters (10,000')	Air filled: 30 meters (98') Oil filled: 3,000 meters (10,000')
<b>Housing material</b>	Aluminum	Aluminum
<b>Size</b>	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
<b>Weight</b>	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)
<b>Operating temp</b>	up to 122° F (50° C); Storage: -4° to 140° F (-20 to 60°C)	up to 122° F (50° C) Storage: -4° to 140° F (-20 to 60°C)
<b>Radiation Tolerance</b>	AC: 1 x 10 <sup>8</sup> rad (max accumulated dose)	N/A
<b>Connectors</b>	Impulse LPMBH-5-MP (standard)	Impulse LPMBH-4-MP (standard)



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