

# Pan and Tilt Unit (PT35N)



## Features

- Full ocean depth rated.
- Brushless motors providing high output torque.
- Precise control and positional feedback.
- RS485 or Castle 2 Protocol Communication.
- Robust hard-anodised aluminium body construction.
- Easy access for maintenance and inspection.

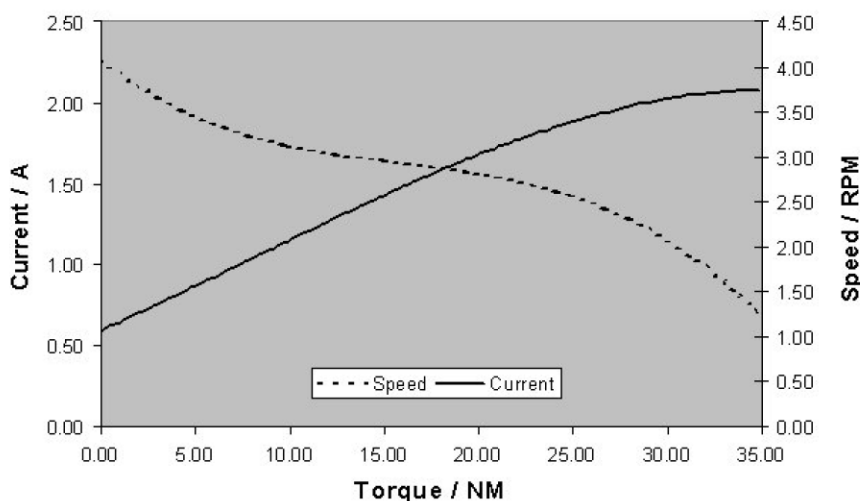
This compact and robust PT35N Pan and Tilt Unit is designed for the harsh subsea environment. Ideal for ROV camera / light platforms and hydrophone arrays, the unit is rated to full ocean depth. The side entry lid provides easy access for maintenance and inspection. The Pan and Tilt incorporates common units for both the pan and tilt functions, making the unit easier for maintenance and even fault finding. 24 VDC brushless motors drive harmonic gear modules to provide a high output torque, combined with precise control and positional feedback in a compact design. The housing is oil filled with an integral compensator and includes a low oil level alarm.

## Specifications:

<b>Depth Rating:</b>	Full Ocean Depth
<b>Torque at 1.5A:</b>	15 Nm
<b>Stall Torque at 2.0A:</b>	35Nm
<b>Maximum Shaft Rotation:</b>	Mechanically limited to 340°
<b>Backlash:</b>	30 minutes of arc
<b>Shaft Speed, No Load:</b>	4 rpm (24° per second)
<b>Communication Protocol:</b>	PT35N: RS485 ½ Duplex PT35N-C2: Castle 2 Protocol
<b>Weight:</b>	6.5kg (in air); 4.3kg (in sea water)
<b>Motor:</b>	24VDC Brushless
<b>Connector:</b>	PT35N            8-Pin Birns PT35N-C2       DRM2BH7M

Notes: Specifications may change without prior notice

**PT35N Current Draw and Shaft Speed Vs Torque**



## ORDERING INFORMATION

Part Number:  
PT35N  
PT35N-C2

Description:  
Pan and Tilt Unit



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