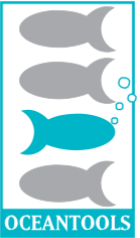


OceanTools PT330 Range of Professional Pan & Tilts



Underwater Pan & Tilt units with absolute positional feedback & low backlash harmonic drives

Key features

- 3000m rated, oil compensated, compact & rugged
- Moves in both axis simultaneously
- High accuracy 1° or 0.1° absolute positional feedback
- Telemetry or voltage control
- Anodised aluminium or stainless steel housings
- Integral mounting bracket
- Optional 'splat-cat' mounting bracket and pole mount interface plate for multibeam sonar applications

The OceanTools PT330 range of rugged & cost effective pan & tilt units have been designed for a wide range of subsea & underwater applications. The units may be controlled via RS232, RS485 or by switching $\pm 24\text{VDC}$ onto each axis.

There are two versions of the PT330 pan & tilt units:

- PT330-MINI Compact variant
- PT330-HD Heavy duty variant

It should be noted that the PT330 **offers absolute positional feedback** rather than relative positional feedback unlike other pan & tilt units. The PT330 units remember their pan & tilt positions - even after being powered down.

Both versions are manufactured using extremely high quality components including brushless DC motors, low back lash harmonic drives and heavy duty bearings on the output shafts.

The PT330 units are offered in both hard-anodised aluminium and optional stainless steel variants and include high precision positional feedback.

Digital control

A simple-to-use graphical user interface is supplied free of charge with the PT330 units to allow control from a PC or laptop and allow command & display of parameters such as go-to-a-position, display positional feedback, control pan & tilt angular rate, limit end-stops etc.

Multiple PT330 units may be connected to a single twisted pair and a single 24VDC power supply.

The PT330 units may be supplied with a Surface Interface Box (SIB) which supplies power to the unit and contains a data protocol converter to convert RS485 to RS232.



Surface Interface Box (SIB)

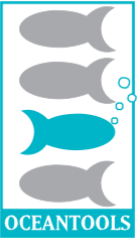


PT330-Mini



OceanTools PT330

Range of Professional Pan & Tilt units



Specifications

General

	PT330-HD	PT330-MINI
Pan range	330°	330°
Tilt range	210°	200°
Input voltage	24VDC	24VDC
Control mode	RS232 RS485	RS232 RS485
	±24VDC	
Maximum drive current, per axis	2A	0.75A
Quiescent current, total	50mA	50mA
Maximum output torque	Up to 35Nm	Up to 13.4Nm
Gear backlash	34 arc/min	34 arc/min
Maximum payload	25kg	5kg/10kg
Output speed	8°/s standard Variable	15°/s standard Variable
Positional feedback resolution	1° / 0.1°	1° typical
Connector, standard	5506-1508	5506-1508
Connector, optional	Various	Various
Dimensions		
Height	316mm	265mm
Width	313mm	258mm
Depth	127mm	95mm
Weight in air (Aluminium/stainless)	8kg/15kg	5.6kg/9.5kg
Weight in water	5.7kg/9.5kg	4.2kg/7.5kg
Environmental		
Standard depth rating	3000m	3000m
Temperature range, operational	-20°C to 50°C	-20°C to 50°C
Temperature range, storage	-20°C to 50°C	-20°C to 50°C
Housing material	Hard anodised aluminium Optional stainless steel	Hard anodised aluminium Optional stainless steel

All specifications subject to change. E&OE.

