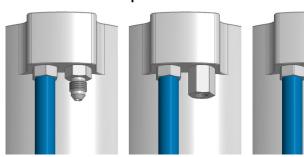
KPA-45 PAN UNIT

Powerful unit for WROVs down to 6000m water depth



KPA-45Single axis - External compensator

Available compensator interfaces:



Flared JIC 37° Fitting

1/8" BSPP Tread

PB4 hose

KEY FEATURES

- Single axis unit
- · Rugged construction and mounting holes
- High torque heavy payloads can be added
- 90 or 120 Nm units
- RS-232, RS-485 or 100 Mbps Ethernet
- · Absolute position sensor
- ± 0.1 deg accuracy; ± 0.01 deg on request
- 24 to 48 VDC input voltage range
- · No rotating connector at unit
- External compensator interface
- 6,000 Meter (20,000 ft)

Our unit is designed for continuous hard use on Work Class ROVs.

Equipped with absolute position sensors there is no need to find end-stops at start-up.

Withstands heavy payloads without compromising with absolute accuracy.

To be connected to an external compensator.



KPA-45 SPECIFICATIONS

Electrical:

Input Voltage	24-48 VDC
Drive Current	Up to 2.5 A
Communication	RS-232, RS-485 (2 wire) or 100 Mbps Ethernet (down to 1000m, 3000 ft)
Connector	Customer selectable (Seacon 5 pin standard)

Mechanical:

Angular Limits	Pan range: ± 175°
Angular Speed	Up to 30 deg/sec
Torque @24VDC, performance at 48VDC even better	90 Nm holding torque *) - 75 Nm (55 lb/ft) < 8 deg/sec - 60 Nm (44 lb/ft) < 15 deg/sec - 45 Nm (33 lb/ft) up to 20 deg/sec
Max Payload **	100 kg (220 lbs)
Position Feedback	12 bit accuracy absolute, approx. ± 0.1° 15 bit ± 0.01° on request
Gears	Precision strain wave
Backlash	< 3 arc minutes (< 0.05°)
Compensator	External

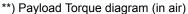
Environmental:

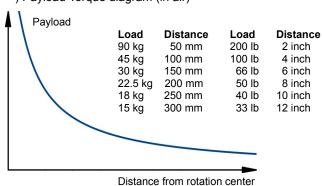
Operating Depth	Down to 6,000 m (20,000 ft)
Temperature Range	-20°C to +50°C (-4°F to +122°F) operating -30°C to +60°C (-22°F to +140°F) storage

Others:

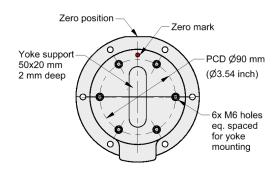
Size (H/W/D)	163 x 114 mm (Flange Ø147 mm) 6.42 x 4.49 inch (Flange Ø 5.79 inch)
Materials	Hard anodized Aluminum Titanium on request
Weight in Air	4.5 kg (9.9 lbs) (Aluminum unit)
Weight in Water	2.7 kg (6.0 lbs) (Aluminum unit)



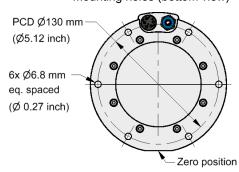




Ø114 mm (4.49 inch)



Mounting holes (bottom view)



KYSTDESIGN AS

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