KPA-20 PAN UNIT.

Small and powerful unit for ocean depths down to 11,000 m



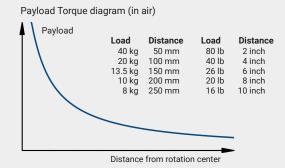


Designed for continuous hard use on Work Class ROVs at full ocean depths. Equipped with absolute position sensors there is no need to find end-stops at start-up. Withstands heavy payloads without compromising with absolute accuracy. To be connected to an external compensator.



KEY FEATURES

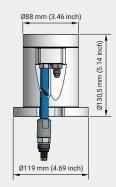
- Compact singel axis unit
- Rugged construction and mounting holes
- High torque heavy payloads can be added
- 22 Nm (16.2 lb/ft) holding torque
- RS-232, RS-485 or 100 Mbps Ethernet
- · Absolute position sensor
- ± 0.1 deg accuracy; ± 0.01 deg on request
- 24 to 48 VDC input voltage range
- No rotating connector at unit
- External compensator interface
- Design tested to 11,500 m (36,730 ft)

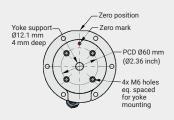


SPECIFICATIONS

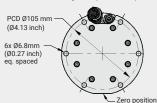
24 - 48 VDC
Up to 1.5 A
RS-232 up to 115200 Baud rate,
RS-485 up to 115200 Baud rate or
100 Mbps Ethernet TCP/UDP or Modbus
Customer selectable
(SubConn 5 or 8 pin standard)
Pan range: ± 175°
0.5 to 40 deg/sec
22 Nm (16.2 lb/ft) holding torque
20 Nm (14.75 lb/ft) at full speed
50 kg (110 lbs)
± 0.1° (0.09375°/step) or
± 0.01° (0.0009375°/step) on request
Precision strain wave
< 3 arc minutes (< 0.05°)
External
Down to 11,000 m (36,100 ft)
-20°C to +50°C (-4°F to +122°F) operating
-30°C to +60°C (-22°F to +140°F) storage
130.5 x 88 mm (Flange Ø119 mm)
Hard anodized aluminum (Titanium on request)
2.6 kg (5.73 lbs) (Aluminum unit)
1.6 kg (3.53 lbs) (Aluminum unit)

All technical data and specification are subject to change 2025-02





Mounting holes (bottom view):



Available compensator interfaces:

