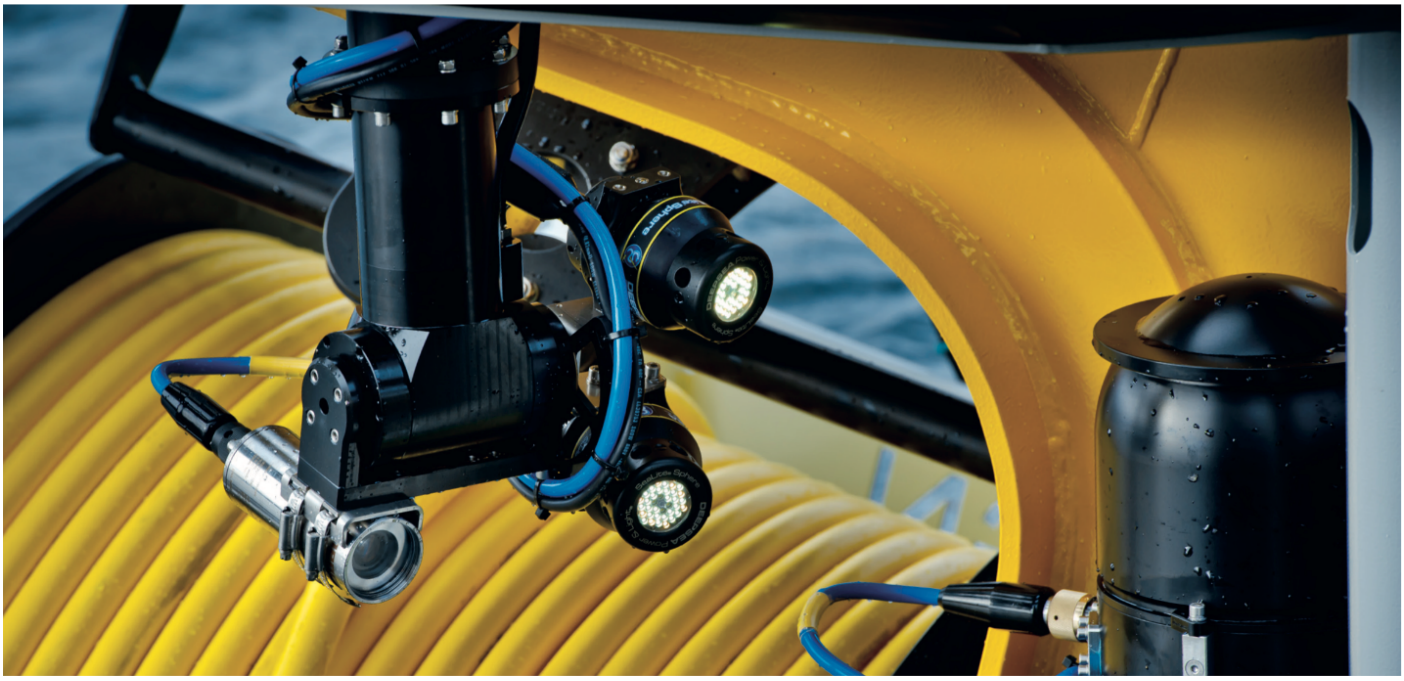
SPT-115
RUGGED PAN & TILT



Actuade AS is a Norwegian manufacturer of high quality and rugged subsea components. Our products are designed in close co-operation with end users and field testing.

The Actuade SPT-115 with its special design is made for continuous and hard use down to 6000 meter. The rugged design make it possible to use the unit close to thrusters on the ROV's.

The unit must be connected to an external compensator solution.

FEATURES

- Rugged construction
- 6000 Meter
- Absolute position sensor
- RS485, RS232 **or Ethernet**
- No rotating connector
- Precision gear
- External compensator

Wide range of connectors and compensator solutions available.

SPT-115

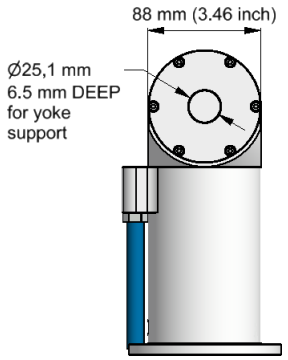
SPECIFICATIONS

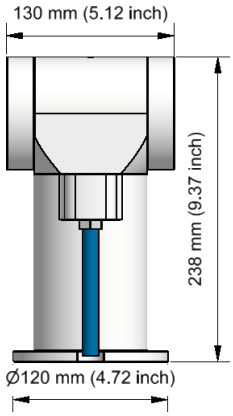
Electrical:	
Input Voltage	24 VDC
Drive Current	500mA – 2.5 A each axis
Communication	RS-485, RS-232 or Ethernet
Connector	Customer selectable

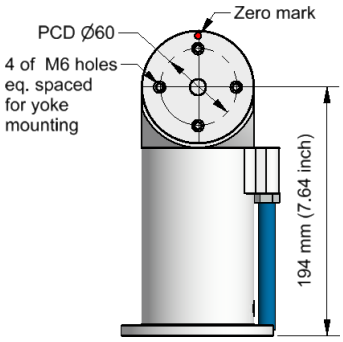
Mechanical:	
Angular Limits	Pan range: ± 175˚, Tilt range: ± 175˚ (single sided yoke) or about ± 110˚ (dual sided yoke)
Angular Speed	Up to 30 deg/sec (Pan and Tilt simultaneously)
Single Step angle	0.018 deg
Position Feedback	12 bit resolution absolute (approx. 0.1˚)
Gears	Precision strain wave
Backlash	< 3 arc minutes (approx. 0.05˚)
Materials	Hard anodized Aluminum Stainless Steel or Titanium on request

Environmental:	
Operating Depth	Down to 6000 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

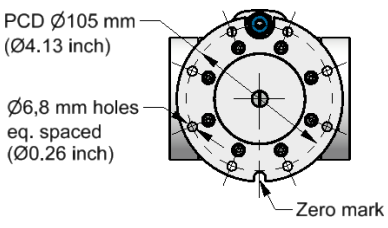
Others:	
Average Torque	15 Nm (11 lb/ft)
Max Payload dual yoke [1)]	20 kg (44 lbs)
Max Payload single yoke [1)]	10 kg (22 lbs)
Size (H/W/D)	238 x 130 x 88 mm (Flange Ø120mm) 9.37 x 5.12 x 3.46 inch (Flange Ø4.72 inch)
Weight in Air [2)]	5.2 kg (11.5 lbs)
Weight in Water [2)]	3.4 kg (7.5 lbs)







Mounting holes (bottom view):



Notes:
1) Payload: Attached device weight in air
2) Weight for aluminium housing

Mounting Brackets can be delivered on request.

All technical data and specifications are subject to change.
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