

Camera Boom

The HLK-4600PT is a 4 function arm designed for inspection of pipelines up to 1m and can be fitted with customer specified cameras and lighting for deployment on medium to large-sized work-class ROVs.



Features

- Designed for inspection of pipelines up to 1m in diameter
- Camera position stable throughout 120° angular movement of arm
- Camera mount can be tilted through 120° and rotated through 360°
- Uses HLK-2150 pan & tilt unit

World leader in electric underwater robotics

Technical Specifications

General

Degrees of Freedom	4
Materials	316 Stainless Steel, 6082 Aluminium, HDPE
Product Finish	Hard Anodised, Painted
Ports	1/8" BSPP (ISO 1179), 7/16" SAE (SAE J1926-1)
Dimensions	Refer to Drawing
Weight in Air	31.6kg (69.5lb)
Weight in Water	19.6kg (43lb)
Maximum Reach	1300mm (51")
Pan Travel	360 Degrees
Tilt Travel	120 Degrees

Hydraulic Performance

Max. Working Pressure	207bar (3000psi)
Flow	0.5lpm to 6lpm (0.13gpm to 1.58gpm)
Fluid Type	Mineral: DIN 51524, ISO 11158, ISO 6743-4
Viscosity	Synthetic: Panolin Atlantis, HLP-Synth
Fluid Temperature	16cSt to 220cSt. VG 22-32 Recommended
Cleanliness Requirements	5-60°C (41-140°F)

Performance

Pan Torque	38Nm @ 140bar (28lbf.ft @ 2000psi)
Maximum Payload	12kgs (26.4lb)

Environmental

Operational Depth	6000msw (19,680ft)
Operating Temperature	5-60°C (41-140°F)
Storage Temperature	0-70°C (32-158°F)
Humidity	0% to 100% Condensing