



## Features

- Designed for inspection of pipelines up to 1mtr 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

## Product Overview

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 an medium to large sized work class ROV's.

## Product 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 Performances

Max. Working Pressure	140bar (2000psi)
Flow	0.5lpm to 6lpm (0.13gpm to 1.58gpm)
Fluid Type	Mineral: DIN 51524, ISO 11158, ISO 6743-4 Synthetic: Panolin Atlantis, HLP-Synth
Viscosity	16cSt to 220cSt. VG 22-32 Recommended
Fluid Temperature	5-60°C (41-140°F)
Cleanliness Requirements	ISO 4406:19/17/14, NAS 1638:8, AS4059:9A/8B/8C

### Performances

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