

HYDRO-LEK CAMERA BOOM

HLK-4600PT

USES HLK-2150 PAN & TILT UNIT

INSPECTION OF PIPELINES UP TO 1MTR IN DIAMETER



Description

The Envirent HLK-4600PT is a 4-function arm that is designed for inspection of pipelines with diameter up to 1mtr.

The camera boom can be fitted with customer specified cameras and lightning.

Camera boom manipulator can be deployed on medium to large sized work class ROV's.

Typical Operations

- ▣ Survey of Pipelines
- ▣ Inspection

Features

- ▣ Designed for inspection of pipeline 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

SPECIFICATIONS

HLK-4600pt

General

Degrees of Freedom	4
Materials	316 Stainless Steel, 6082 Aluminum, HDPE
Product Finish	Hard Anodised, Painted
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 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 (28lb.ft @ 2000psi)
Maximum Payload	12kgs (26.4lb)

Environmental

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