

Hydro-Lek Camera Boom



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

Key Features

- Survey of pipelines
- Inspection
- Designed for inspection of pipelines up to 1 mtr 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 and tilt unit.

Specifications

General

Degrees of freedom	4
Materials	316 stainless steel, 6082 aluminium, HDPE
Product finish	Hard anodised, Painted
Dimensions	Refer to drawing
Weight in air	31,6 kg (69,5lb)
Weight in water	19,6 kg (43lb)
Maximum reach	1300 mm (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 12 kgs (26.4lb)

Environmental

Operational depth 6000msw (19,680ft)

Operational temperature 5-60°C (42-140°F)

Storage temperature 0-70°C (32-158°F)

Humidity 0% to 100% condensing