



May 2015

## ON DECK BOP (BLOW OUT PREVENTER) INSPECTION SYSTEM

- **Includes OE14-112L continuous rotate & tilt, zoom camera with inbuilt LED's**
- **Robust stainless steel centralising running frame**
- **Portable control and viewing with 10hr recording**

Kongsberg Maritime's 0434-6000 On Deck Blow Out Preventer (BOP) Inspection System is a portable inspection system for internal visual verification of bore, seals and components while the BOP is on the surface prior to drilling operations or during BOP repair and maintenance periods.

The system includes a robust titanium high resolution OE14-112L Continuous Rotate and Tilt, Zoom camera fitted with internal directional LED lighting, mounted inside a specially designed stainless steel centralising running frame and a rugged and a Portable Surface Control Unit for controlling the camera and viewing the images. The centralising running frame is designed to be supported by an external lifting wire, e.g. Rig floor tigger type winch.

The Surface Control Unit houses the power supply and control for the camera and LED lighting and includes: a 15" integrated LCD monitor with touch screen, joystick control for rotate, tilt and zoom and a Digital Video

Recorder (DVR) that allows recorded footage to be transferred via USB or Ethernet.

A non weight bearing control cable up to 500 metres can be supplied for connecting the camera to the control unit.

The On Deck BOP Inspection System has been successfully used on numerous Semi Submersible Rigs worldwide.

### Applications

- **BOP Inspection**

# TECHNICAL SPECIFICATIONS

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## **OE14-112L Camera**

### **Electrical**

Lighting/Output	Integral Directional LED's/ 3.4 Lux@1mtr
Horizontal Resolution	440 TV Lines
Light Sensitivity (limiting)	0.02 Lux (faceplate)
Scene Illumination	0.2 Lux
Sensor Type	1/4" Super HAD
Signal to Noise Ratio	>48dB weighted (AGC off)
Scanning	625 Line /50Hz CCIR
Electro-Magnetic Compatibility	BS EN 61000-6-3 2007 Emission and BS EN 61000-6-1 2007 Immunity

### **Environmental**

Water Depth	3,000 msw
Temperature	Operating: -5°C to +40°C In Water Storage: -20°C to +60°C
Vibration	10g, 20-150Hz, 3-axes (non-operating)
Shock	30g peak, 25mS half-sine pulse

### **Mechanical**

Diameter	157mm
Length	180mm (excl. connector)
Weight	6.2Kg in Air, 3.6Kg in Water
Standard Housing	Titanium alloy 6AL/4V ASTM B3 48

### **Tilt and Rotate Coverage**

Rotation	360° continuous
Tilt Range (Vertical)	180° (±90°)

### **Centralising Running Frame**

Material	Galvanised Steel
Length	483mm
Diameter	406mm
Weight	28Kg

### **Portable Surface Control Unit (0434-6001)**

Case	Peli Storm Case 1550 series with Aluminium front panel
Dimensions	616mm (L), 427mm (W), 200mm (D)
Weight	13.5Kg
Power Supply	110/230 VAC (90-265V 50-60Hz)
Monitor	15.6" TFT LCD with touch screen
Recording Time	>10 hours recording time
Recording Transfer Options	Transfer via USB or Ethernet
Camera Control	Integral joystick for rotate, tilt and zoom
Power and Video Umbilical Cable	20m (optional up to 500m)

*Specifications subject to change without any further notice.*

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