



BOP Inspection System

ON DECK BOP (BLOW OUT PREVENTER) INSPECTION SYSTEM – 0434-6000

Includes OE14-212 Zoom, Rotate and Tilt (ZRAT) camera with inbuilt LED illuminators

Robust galvanised steel centralised running frame

Portable control & viewing with 10 hour recording

The Imenco 0434-6000 On Deck BOP (Blow Out Preventer) Inspection System is a portable CCTV inspection system typically used 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 Imenco OE14-212 Zoom, Rotate and Tilt (ZRAT) camera fitted with internal directional LED lighting, mounted inside a specially designed steel centralising running frame and a rugged 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 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 Imenco 0434-6000 On Deck BOP Inspection System has been successfully used on numerous Semi-Submersible Rigs worldwide.



Contact us for additional information or to get a quotation. Send an e-mail to systems.uk@imenco.com or find personal contact info on our website.

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MARINE **CCTV** RANGE
BY IMENCO

0434-6000

TECHNICAL SPECIFICATIONS

OE14-212/213 ZRAT Camera:

Electrical	
Lighting / Output	10 gimbal mounted LEDs, providing 129 Lux illumination at 1m
Horizontal Resolution	460 TVL/PH (OE14-212), 470 TVL/PH (OE14-213)
Light Sensitivity (limiting)	0.015 Lux (faceplate, 100mV video)
Scene Illumination	0.16 Lux
Lens	4.2mm to 42mm, 10:1 optical zoom, F1.8 to F2.9
Signal to Noise Ratio	>50dB (weighted)
Scanning	625 lines 50Hz PAL (OE14-212), 525 lines 60Hz NTSC (OE14-213)
Electro-Magnetic Compatibility	BS EN 61000-6-3: 2007 Emission and BS EN 61000-6-1: 2007 Immunity
Environmental	
Water Depth	4500 msw
Temperature	Operating: -5°C to +40°C In Water Storage: -20°C to +60°C
Vibration	10G, from 20 to 150Hz on all three axes
Shock	30G peak acceleration, 25ms half-sine duration, on all three axes
Mechanical	
Diameter	148mm
Length	185mm (excl. connector)
Weight	5.9kg in air, 4.2kg in water
Standard Housing	Titanium alloy 6AL/4V ASTM B3 48
Tilt & Rotate Coverage	
Rotation	360° continuous
Tilt Range (vertical)	205° (±102.5°)

Centralised Running Frame:

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

Portable Surface Control Unit (0434-6101):

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 & zoom
Power & Video Umbilical Cable	20m standard (optional up to 500m)

Specification subject to change without any further notice