

Jupiter Subsea Torque Verification System For API 17D Interfaces



Introduction

The Zetechtics range of Jupiter Sub-sea Control Systems have lead to the development of a stand-alone battery powered Subsea Torque Verification System. The Subsea Torque Verification System allows the ROV operators to prove the accuracy of a torque tool immediately before operating a client's valve or subsea actuator.



The system interfaces to API17D Class 1-4 torque tool interfaces with three different stem sizes.

The system has an inbuilt light sensor that enables the display only when illuminated by ROV lights. This allows the Subsea Torque Verification System to remain dormant for months before operation and display.

Advantages

- Prove Torque Tool accuracy to clients immediately before subsea valve operation
- API 17 D Class 1 - 4 interfaces (3 stem sizes)
- Rugged housing, deep water rated (3000m)
- Ultra-low power with selectable dormant state can be subsea for months before use
- User can Zero display or change between Nm or ftlbs via Manip. operable paddle switches
- Includes guard to protect electronics & connectors. Display system is separate for mounting in other locations
- Rechargeable NiMh Cell with low batt warning
- RS232 output - Unit can replace deck analyser

Features

- 0 - +/- 3,000Nm (0 - +/- 2,400ftlbs), 1.5% accuracy
- Battery Life: 5 days (average display on continuously), 5 months standby
- 5 digit LED hi-visibility display
- Wakened by ROV lighting
- Supplied with oil filled compensator, charger, cables and transit case.
- Stand-alone system, all parts required for operation are included and the unit is not dependant on any external systems
- Size: Interface 460 x 260 x 214 mm
Display 312 x 350 x 158 mm
- Weight: 16.8 kg (Air), 11.5 kg (Sea water)
- Environmental: -10 to 50°C

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