Jupiter Subsea
TVA API 17D Interface

The Zetechtics range of Jupiter Subsea Control Systems has led to the development of a standalone 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/after 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 'inbuilt' light sensor technology that enables the display only when illuminated by ROV lights, allowing the Subsea Torque Verification System (when deployed subsea) to remain dormant for months before operation. Information can either be recorded via ROV camera, or captured into Jupiter control system 'data logging software', (where applicable), or both.

Specifications

Product	Jupiter Subsea TVA API 17D Interface
Country of origin	UK
Manufacturer	Zetechtics Ltd.

Features and benefits

- Prove Torque Tool accuracy to clients immediately pre/post application of valve/actuator operation.
- API 17 D Class 1-4 interfaces (3 stem sizes) with rugged housing, deep water rated (3000m).
- Ultra-low power with selectable dormant state can be subsea for months before use, battery life: 5 days (average display on continuously), 5 months standby.
- User can Zero display or change between Nm or ftlbs via ROV manipulator operable paddle switches.
- Includes guard to protect electronics and connectors. Display system is separate for mounting in other locations.
- Rechargeable NiMH Cell with low battery warning RS232 output – unit is usable both for deck and subsea operations.
- Wakened by ROV lighting.
- Supplied with oil filled compensator, charger, cables, transit case and full documentation pack.
- Stand-alone system, all parts for operation are included and the unit is not dependent on any external systems.

Specifications

Environmental	-10 to 50 DC
Size	Interface - 460 x 260 x 214 mm / display - 312 x 350 x 158 mm
Weight in air	16.8 kg
Weight in water	1.5 kg