



## UNDERWATER ULTRASONIC TESTING SYSTEM

Lightweight, portable and simple to operate, our underwater U/T systems are built with the customers' needs in mind. The system has full topside control including DAC, Echo-Echo and data logging. A choice of flaw detector is supplied (Epoch 4B, 4, XT or 600) along with a Twin 0 degree 5 MHz compression probe and a full set of single crystal angle probes (45, 60 & 70) with wet mateable subsea connectors.

The Underwater UT Set is very user friendly, enabling the changing of probes subsea. The topside control unit features an Archos 7 Display which can be used to mirror the UT Set image, or display a combination of images selected by the operator. The system receives up to three additional camera or video inputs which are displayed on a split screen with the option to record direct to PC or USB.

Rated to a depth of 250m, the subsea head is connected to the topside unit by 250m of cable with the topside unit contained in a 1500 pelicase. The operator benefits from an ergonomically designed and neutrally buoyant diver held subsea head for thickness gauging, flaw detection and weld inspection.

/// Oceanscan Limited  
/// Denmore Rd / Bridge of Don  
/// Aberdeen / AB23 BJW

/// Tel: +44(0)1224 707000  
/// Fax: +44(0)1224 707001  
/// Email: [info@oceanscan.co.uk](mailto:info@oceanscan.co.uk)

[www.oceanscan.co.uk](http://www.oceanscan.co.uk)



## TECHNICAL SPECIFICATIONS

### **Diver Unit**

- Power Requirement: 48V supplied from topside control unit  
Display: 5.7" Dicol display, 640 x 480 pixels  
Connectors: 2 x 4 way wet mateable subsea pod connector  
Umbilical Length: 250 metres  
Maximum Depth: 250 metres

### **Topside**

- Power Requirement: 120vac or 240vac  
Safety Features: Subsea leak detector with test/reset feature  
Ground fault indicator with test/reset feature  
Video: Composite video output channel  
Output: 48vdc to subsea unit. Video to subsea unit.  
Display/Recorder: Archos 7

### **Flaw Detector**

- Compatible: Epoch 4, 4B, XT and 600  
**(See manufacturers brochure for full specifications)**

### **Umbilical**

- Type:** DC0338 3 x screen twisted pair  
4 x 75 ohm co-ax  
2 x 0.5mm conductors

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