

OCEANTOOLS

Innovative Products & Solutions for use in some of the world's harshest environments

OceanTools OceanSENSE

Protecting the environment with field-proven offshore leak detection systems



The OceanTools OceanSENSE "Bright Light" range of subsea leak detection systems are field proven on many offshore jobs with a very impressive 100% detection rate. The OceanSENSE family comprises:

- OceanSENSE-SW Single wavelength detection system
- OceanSENSE-DH Diver held, single wavelength detection system
- OceanSENSE-AUV AUV Deployed single wavelength system

OceanSENSE emits very high intensity light at a wavelength specific to the tracer dye under detection. The agitated fluid emits light at a different wavelength which is then detected by the OceanSENSE's intelligent photo-detector electronics. The light is passed through a photo-multiplier which amplifies the light many thousands of times before the electronics filter and analyse the data.

The photo-detector electronics have a detection capability approximately **50 times** that of the human eye - and that of conventional "black-light" detection systems. The ROV's lights do not have to be turned off when OceanSENSE is in operation thus making for significantly safer ROV operations.

The OceanSENSE unit is designed to work with a wide range of dyes and substances including:

- OceanTools OceanDYE
- Rhodamines including RX9022 and B275
- Fluoresceins
- Pelagic 100 & 100 Pink
- Champion ClearDye

OceanSENSE can detect dyes other than the ones listed above. Please contact OceanTools for an up to date list of all detectable dyes & substances.



See an animation of OceanSENSE online at
www.youtube.com/user/OceanToolsLtd

KEY FEATURES

Impressive detection range up to 7m

ROV, Diver-held and AUV versions

Results visible both on camera and via software

Simple to operate system

Up to 50x as sensitive as black-light detectors

Detects wide range of dyes & substances

No dangerous lasers

MarineSense

THE BRITISH
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ISO9001

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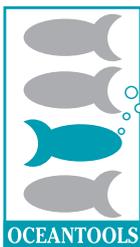
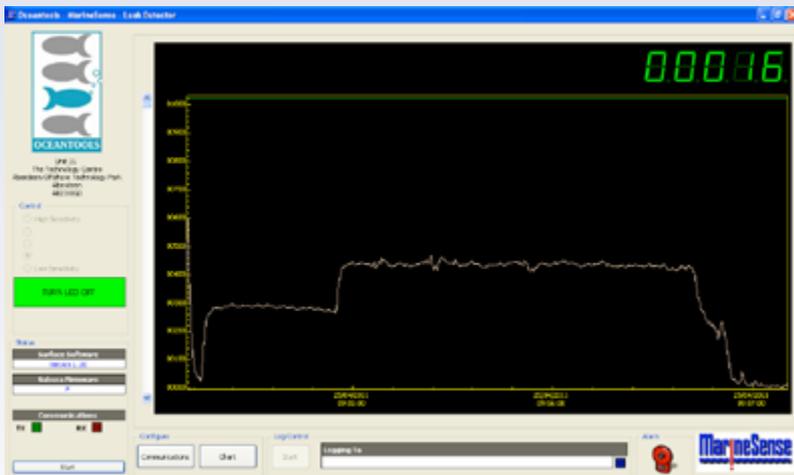
SPECIFICATIONS

OceanSENSE-SW

Length including connector	220 mm
Maximum diameter	105 mm
Weight in air	1.9 kg
Weight in water	0.97 Kg
Standard depth rating	3000 M
Data communications	RS232 / RS485
Power requirements	250mA @ 24 VDC
Voltage range	18 - 32 VDC

OceanSENSE-DH

Length including connector	210 mm
Maximum diameter	116 mm
Weight in air	3.5 kg
Weight in water	1.8 Kg
Standard depth rating	200 M
Display	Internal micro VGA display
Power requirement	24 VDC from battery pack



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