

Subsea leak detection/cement confirmation

OceanSENSE ROV including detection software on laptop
For use with a wide range of tracer dyes



Description	Length	Width	Height	Weight
OceanSENSE pelicase	36 cm	32 cm	16 cm	4 kg
Laptop pelicase	36 cm	32 cm	16 cm	4 kg

Water depth rating: 3000 meters
 Instrument size: 220mm length, 105mm max diameter
 Weight in air: 1.9 kg
 Weight in water: 0.97 kg
 Data communication: RS232 / RS485
 Power requirement: 250mA @ 24 VDC
 Voltage range: 18 - 32 VDC
 Detection software: On laptop included in system and separate CD

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. 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