



Typical abstraction or drainage channel application

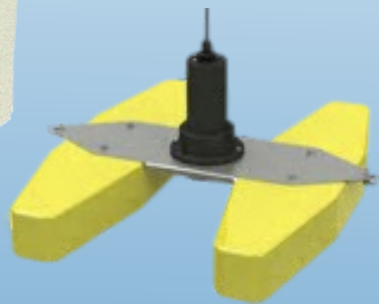


Features:

- Floating In situ operation
- No Chemicals required
- Analogue output
- 2 relay outputs
- Data logging (2GB memory card)
- Real time local digital display

Benefits:

- Low cost of ownership
- No frequent calibrations needed
- Minimal maintenance
- Pollution early warning
- Automated shutdown or diversion



Applications:

- Abstraction protection
- Surface water runoff monitoring
- Inland Waterways
- Industrial effluents

OilSys: The WaterWatch2920 system uses a dual hull floating support which directs flow between the hulls and beneath the non contact infra red sensor. The float can be deployed in any application where the surface of the water is relatively calm.

The sensor emits IR light that is reflected from the water surface, any oil present increases the amount of light reflected and this is then converted into the desired output signals.

The monitor will react rapidly to both partial and complete films of oil on the surface of the water. The measuring system is extremely stable and needs only occasional validation to ensure reliable operation. In addition to the alarm output the monitor provides an analogue signal proportional to the probability of oil being present. The higher the probability the more widespread the pollution. This enables tracking of the incident over time as well as



Transmitter/Controller Specification

Mechanical Construction:	Dimensions l x h x d	213x185x95 mm (approx)
	Weight:	1.4kg
	Materials:	Polycarbonate
	Ambient conditions:	-20 to 70 °C , 0-95% RH non condensing
	Weather Protection:	IP65
	CE:	Compliant
Outputs:	Display:	Graphic LCD, black on white, transfective 78x59 mm backlit screen 6 Button Membrane Keypad
	Units of Measurement:	% Probability of Oil Presence
	Analogue (optional):	0/ 4–20 mA isolated into 750 ohms
	Relays (optional):	3SPCO, 2amp @ 30VDC/230 VAC,
	Digital Comms:	Profibus DP ModTechw -RS485
Sensor interface		
Power requirements:	Supply voltage:	100-240 VAC 50-60Hz, optional 10-30V DC
	Load:	30W
Cable entries		4x M16, 1x M20, 1xM12
Cable size	Max conductor xsection	2 . 5 mm ²

Sensor assembly Specification

Mechanical Construction:	Dimensions h x l x w	150mm x 600mm x 590mm
	Weight:	2.2kg
	Materials:	Glass Coated Float with Black Acetal Transmitter Housing
	Support:	Float mounted with 2 SS restraining cables
	Medium temperature:	0-60 °C
Detection system	Light Source:	IR
	Detector:	reflected intensity, light back scatter
	Response time	0.2 to 120 secs
	Units:	% of probability of oil presence

Ordering Information

When placing an order it is important to indicate the following requirements to our sales staff:

1. Sensor cable length required (8m standard)
2. Voltage requirement
3. Length of support cables required
4. Extra weatherproof protection enclosure for transmitter needed?

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