

WaterSens

OPTICAL WATER LEVEL SENSOR
A TRUE **PLUG & FORGET** SOLUTION



opSens Solutions

Enlightenment through smart measurements

WaterSens



IMMUNE TO LIGHTNING OR ANY ELECTROMAGNETIC INTERFERENCES



MAINTENANCE FREE

- Plug & Forget sensing solutions
- Sensor doesn't drift over time
- Designed to last decades
- No replacement/repair due to lightning



A TOOL FOR PEACE OF MIND

- Embedded optical temperature sensor for real time compensation
- Ideal for permanent installation in hard-to-reach location
- The best way to control levels in a hazardous environment

TANK INSTRUMENTATION

- Intrinsically safe
- Fully dielectric
- Can be integrated without risks in any ATEX environment such as fuel or LNG tank

SO RELIABLE, THAT THE TECHNOLOGY WILL BE IMPLEMENTED IN THE NEXT GENERATION OF AIRCRAFT TO MEASURE CRITICAL PARAMETERS SUCH AS FUEL LEVEL.



DESIGNED FOR THE MOST DEMANDING ENVIRONMENTS

HIGHLY VERSATILE



Integrated into a screw or fitting to optimize specific deployment requirements



Modified to monitor level of highly corrosive liquid



Robust design allows the sensor to be buried under tons of backfill material

SIGNAL CONDITIONERS

Opsens Solutions readout units are compatible with all WLPI sensors. Through the same interface, the unit can provide temperature, pressure, strain, position, or displacement measurements to offer maximum versatility.



HANDHELD UNIT

The **HandySens** is a **ruggedized** single channel unit offering maximum portability with battery powered function

MODULAR PLATFORM

the **FieldSens** is a **compact** and **robust** multi-channel unit, scalable to monitor up to 380 sensors per system



PRESSURE SENSOR SPECIFICATIONS

Range (meter of H ₂ O)	15	25	35	70
Accuracy (% F.S.)	± 0.1 ¹			
Precision (% F.S.)	± 0.08 ¹			
Resolution (% F.S.)	< ± 0.01			
Thermal shift (% F.S./°C)	< ± 0.03 ²			
Operating Temperature (°C)	-20 to 85 ³			

TEMPERATURE SENSOR SPECIFICATIONS

Accuracy (°C)	± 1.0 ⁴
Resolution (°C)	± 0.01

1 At 22°C

2 Measured between 10 and 60°C

3 Contact Sales for higher temperature

4 From -10 to 85°C

RUGGEDIZED FOR ANY CONDITIONS

- Dam/Dykes Instrumentation
- Flood Prevention System
- Ground Water Monitoring
- Waste Water Management
- Corrosive Applications such as Leaching
- LNG & Fuel Tank

TO KNOW MORE

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Opsens Solutions Inc. reserves the right to make any changes to the above specifications without prior notice.

IMPO244 En WaterSens Brochure Rev1.0 | Printed in Canada.