

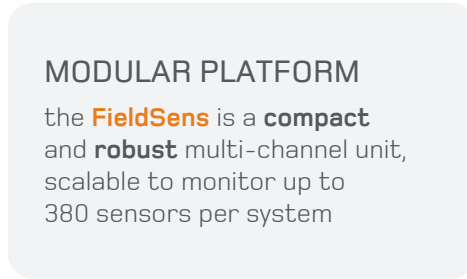
## SIGNAL CONDITIONERS

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

### TEMPERATURE SENSOR SPECIFICATIONS

Accuracy (°C)	± 1.0 <sup>4</sup>
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

# WaterSens

OPTICAL WATER LEVEL SENSOR  
A TRUE PLUG & FORGET SOLUTION



## RUGGEDIZED FOR ANY CONDITIONS

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



POLYTEC GmbH  
Tel: +49 (72 43) 604 1721

Polytec-Platz 1 - 7  
Fax: +49 (72 43) 6 99 44

D -76337 Waldbronn  
E-Mail: ot@polytec.de


GERMANY  
www.polytec.de

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