



## Submersible Hydrostatic Level Transmitter

WL320



The **WL320** was designed for continuous monitoring of liquid levels in water wells, reservoirs, tanks, boreholes, rivers, and other liquids.

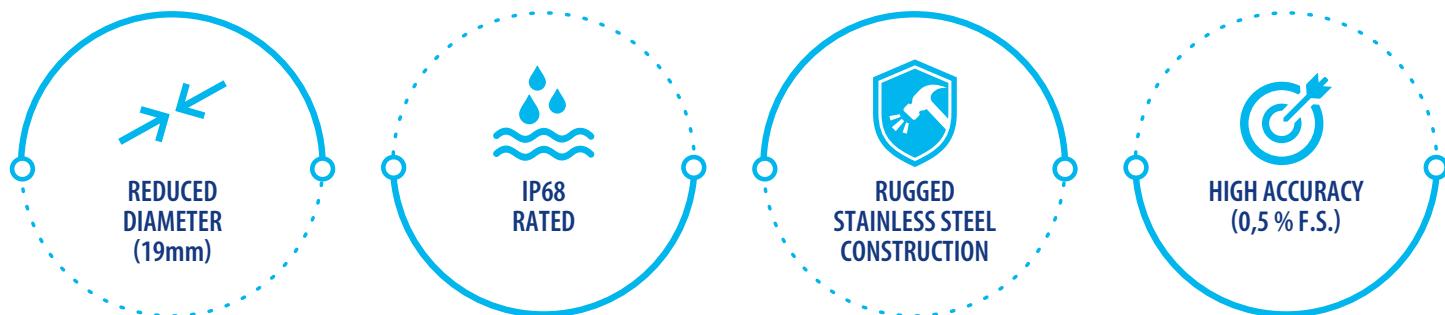
The submersible unit detects the hydrostatic pressure at the bottom of the liquid and transmits a current signal proportional to the water column to the system instrumentation.

The highly stable 316L stainless steel diaphragm sensor is fully compatible with raw or chlorinated water and with most semi-aggressive liquids and oils.

With a special vented cable to equalize atmospheric pressure changes, it accurately transmits the measured liquid level. The cable length, depending on the application and desired extension, can be defined at the time of purchase or adapted by the customer in the field.\*

Multiple level-measurement ranges are available for a wide variety of applications, allowing its use with local or remote panel meters, data loggers, or PLCs.

\*Under consultation



For pricing or any further information, please contact Omni Instruments Ltd.



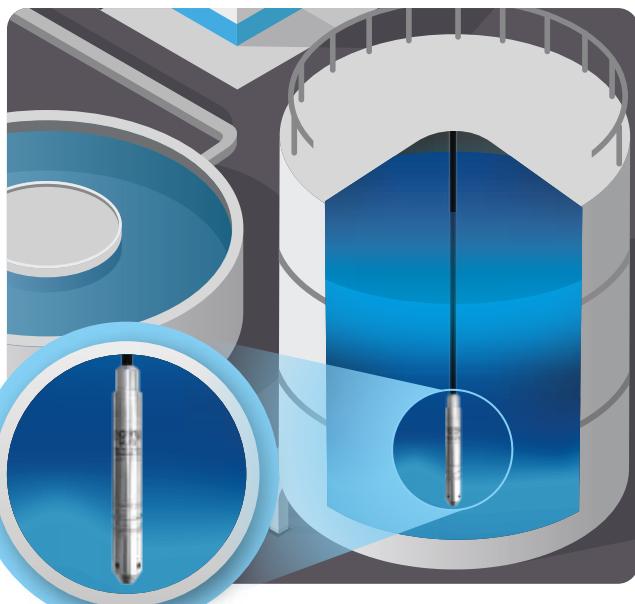
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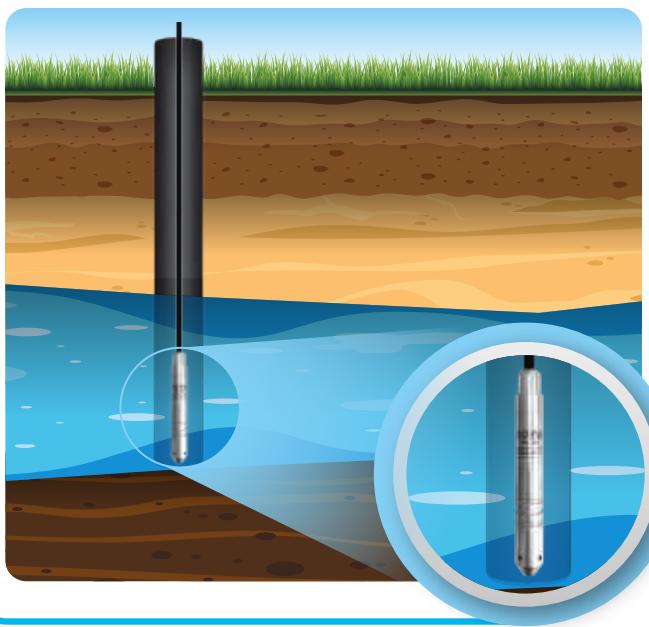
**Mailing Address:** Unit 1, 14 Nobel Road,  
Wester Gourdie Industrial Estate,  
Dundee, DD2 4UH.

## Topologies

### Wastewater Tank



### Groundwater Reservoir



### Connected Level Information



## Technical Specifications

<b>Measuring Ranges</b>	1 ... 100 mH <sub>2</sub> O (1, 1.6, 2.5, 4, 6, 10, 16, 25, 40, 60 and 100 mH <sub>2</sub> O)
<b>Cable Length</b>	5 ... 120 m (5, 10, 15, 20, 30, 40, 50, 80, 120 m)
<b>Sensor</b>	Piezo-resistive diaphragm
<b>Analog Output</b>	4-20 mA
<b>Accuracy</b>	0.5% F.S. @25 °C (@ 77 °F)
<b>Cable</b>	PUR (Polyurethane) 2x conductors, shield and vent tube
<b>Operating Conditions</b>	-40 to 80 °C (-40 to 176 °F)
<b>Power Supply</b>	4-20 mA loop-powered (12 to 36 Vdc)
<b>Housing Material</b>	SS 316L
<b>Dimensions</b>	Lenght: 140 mm, Diameter: 19 mm
<b>Ingress Protection</b>	IP68
<b>Overpressure</b>	150% F.S.
<b>Burst Pressure</b>	500% F.S.
<b>Electrical Protection</b>	Polarity inversion and current limiter
<b>Approvals</b>	CE, RoHS
<b>Warranty</b>	1 year

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