



# 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.

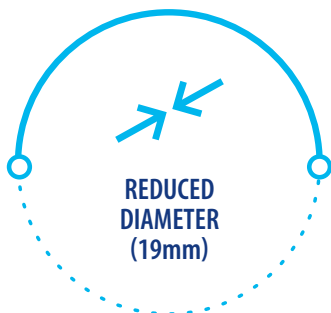
The submersible unit detects the hydrostatic pressure at the bottom of the liquid and transmits a current signal proportional to the water column to the system instrumentation.

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



REDUCED  
DIAMETER  
(19mm)



IP68  
RATED



RUGGED  
STAINLESS STEEL  
CONSTRUCTION



HIGH ACCURACY  
(0,5 % F.S.)

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



Measurement and data acquisition solutions

**Contact Details:**

Tel: +44 1382 443000

Email: [info@omni.uk.com](mailto:info@omni.uk.com)

Website: [www.omniinstruments.co.uk](http://www.omniinstruments.co.uk)

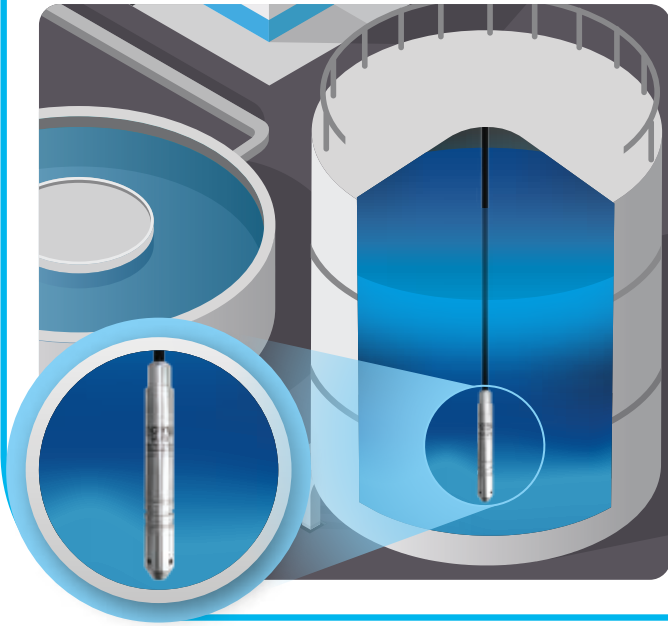
**Mailing Address:** Unit 1, 14 Nobel Road,

Wester Gourdie Industrial Estate,

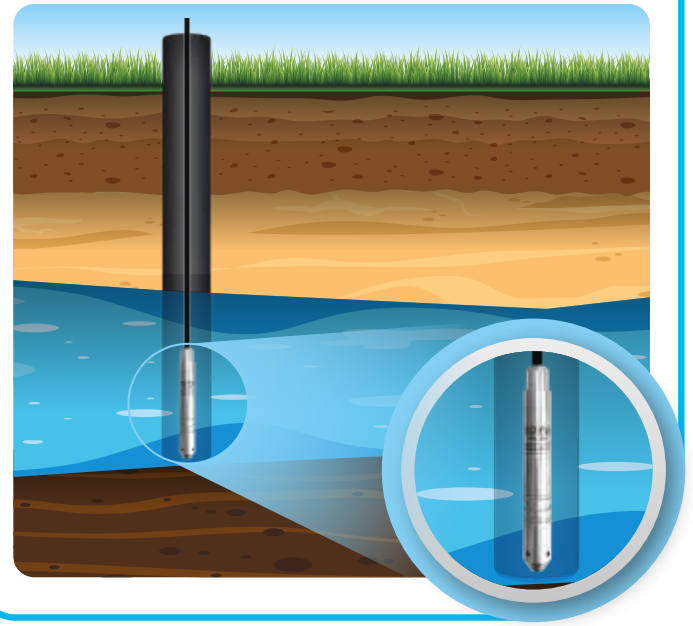
Dundee, DD2 4UH.

## Topologies

Wastewater Tank



Groundwater Reservoir



Connected Level Information



## Technical Specifications

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

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