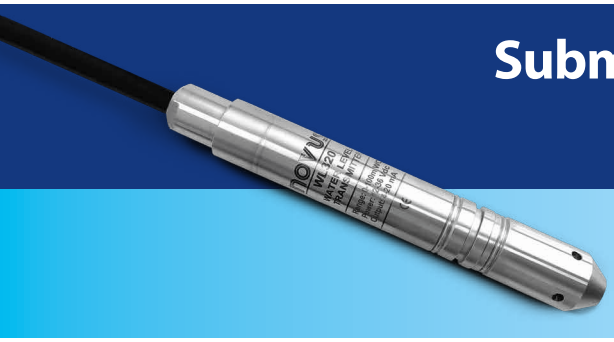


Submersible Hydrostatic Level Transmitter

WL320

WL420 has been designed for continuous liquid level monitoring in water wells, reservoirs, tanks, boreholes, rivers and other liquids.

The submersible unit measures the static pressure of the liquid column above the transmitter and transmits a current signal proportional to the water column to the instrumentation above.

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

Supplied with a special vented cable to compensate the atmospheric pressure changes, it accurately transmits the measured liquid level. The application-dependent cable length can be defined at the time of purchase to the desired extent and can also be customer adapted at the application site.*

Several measurement ranges are available for a wide range of applications, allowing their use with local or remote panel meters, data loggers or PLCs.

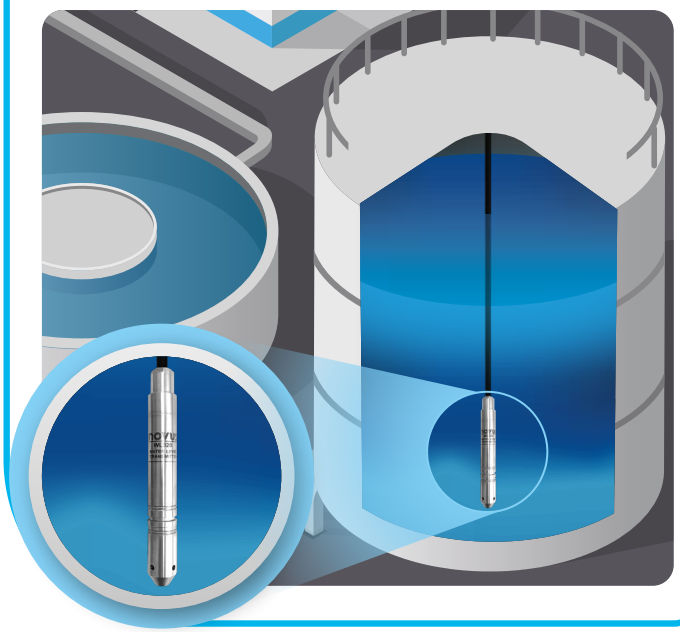
*Under consultation

- REDUCED DIAMETER (19mm)
- IP68 RATED
- RUGGED STAINLESS STEEL CONSTRUCTION
- HIGH ACCURACY (0,5 % F.S.)

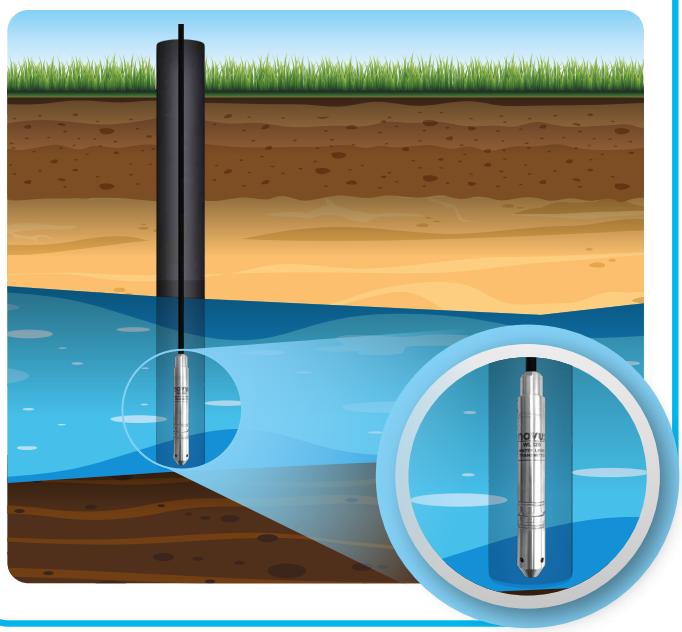
20250811 - FL WL320 - EN

Topologies

Wastewater Tank



Groundwater Reservoir



Connected Level Information

Technical Specifications

Measuring Ranges	1 ... 100 mH2O (1, 1,6, 2,5, 4, 6, 10, 16, 25, 40, 60 and 100 mH2O)
Cable Lenght	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 ºC (-40 to 176 °F)
Power Supply	4-20 mA loop-powered (12 to 36 Vdc)
Housing Material	SS 316L
Dimensions	Lenght: 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