

## SUBMERSIBLE LEVEL TRANSMITTER

"Hydrostatic Liquid Level Measurement"

**PTL 120** 



## **GENERAL FEATURES**

- Piezoresistive measurement principle
- Ceramic membrane
- Long-term stable operation
- EMC and Reverse Polarity protection
- 4-20 mA or 0-10 V analog output
- Different level measuring between 4 meters and 100 meters
- IP68 protection class
- High quality
- Reasonable price, economical solution

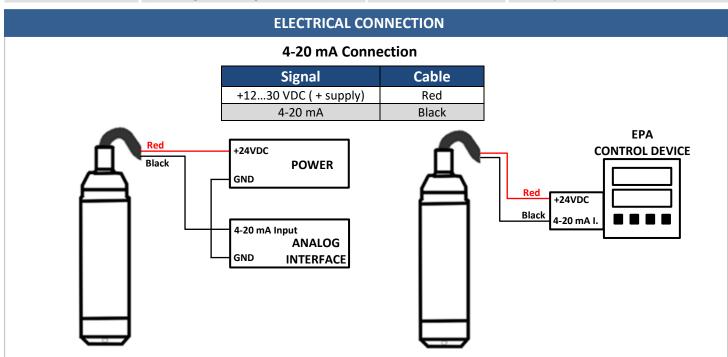
PTL 120 level pressure sensors with piezoresistive working principle; are used for level measurement in applications like streams, reservoirs, water tanks, saltwaters, wastewaters etc. With its ceramic membrane structure, it has high corrosion resistance and is highly resistant to salt water.

With its stainless steel housing with IP68 protection class, it can work in harsh environments.

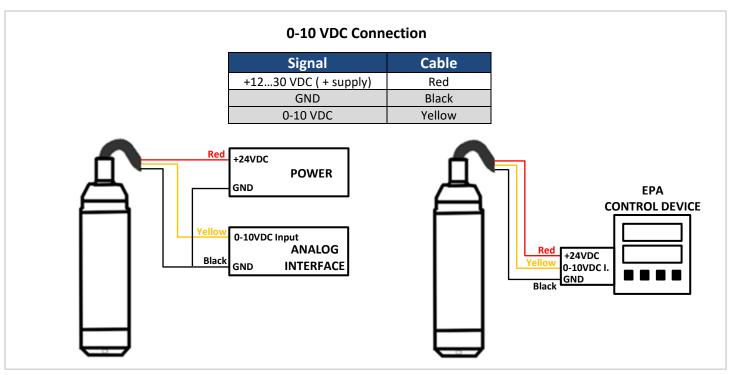
Thanks to the surge voltage and reverse polarity protection, the PTL 120 series are unaffected by electrical fluctuations and reverse connections.

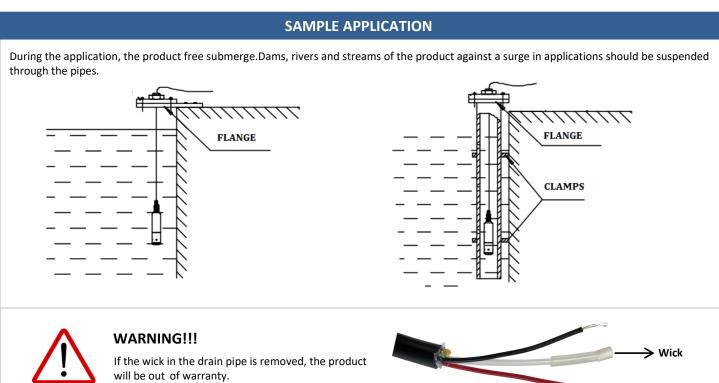
Optionally configurable pressure ranges, analog output and mechanical connection options offer solutions suitable for various applications.

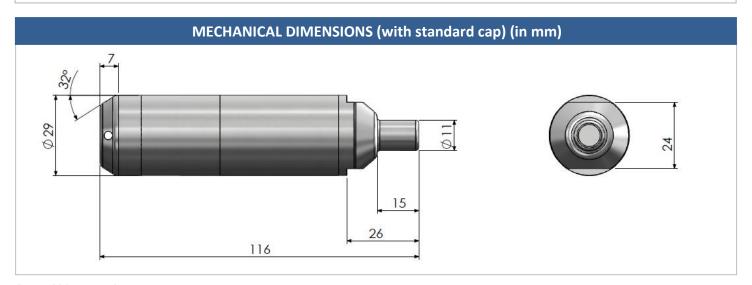
TECHNICAL SPECIFICATIONS						
Supply Voltage	12 30 VDC	Output Signal	420 mA (2 wire)			
Measuring Principle	Piezoresistive	Output Signar	010 VDC (3 wire)			
Membrane	Ceramic	Operating Temperature	-25°C +85°C			
O-Ring	NBR	Storage Temperature	-25°C +85°C			
Measuring Range	Different models between 400 mbar and 25	<b>Protection Class</b>	IP68			
	bar can be selected		1.4462 (dublex)			
Maximum Pressure	%200 FS	Body Material	1.4404 (AISI 316L)			
Precision	%0 3		Titanium			
1 1000001	•	Cable Material	PE (polythene)			
Electrical Connection	3 x 0,22 mm <sup>2</sup> shielded cable Cable outer diameter: 7,5 ±0,2 mm Drain pipe diameter: 2 mm (Cable length according to level value)	Weight	~350 gr			
		EMC Protection	Emission: EN/IEC 61000-6-3			
			Immunity: EN/IEC 61000-6-2			



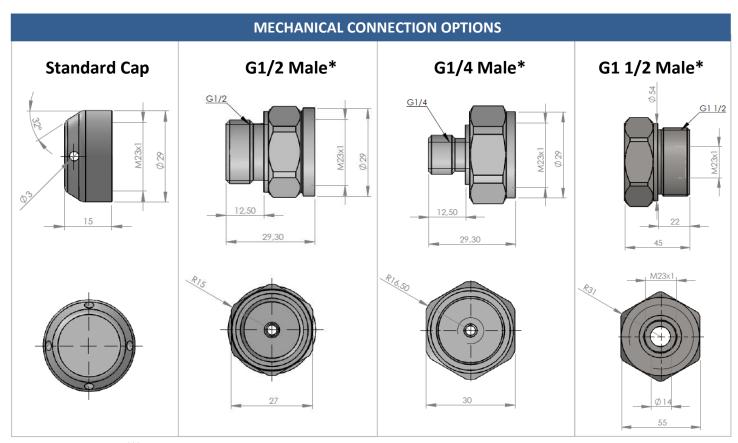
DS-PTL.004 Rev No:2







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Fittings marked with (\*) are optional.

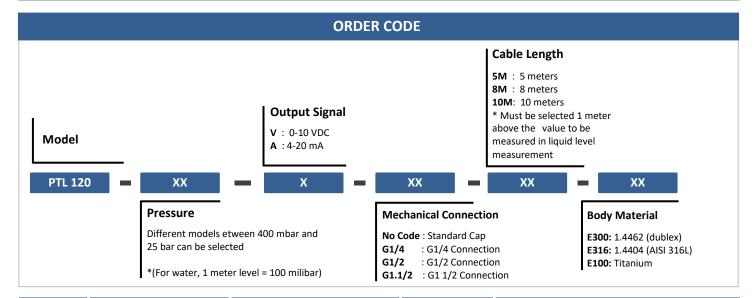
## SAMPLE APPLICATION FIELDS

- Process technology
- Water treatment (wastewater, grey-water, drinking water)
- Level of river and lake
- Seawater, saline water applications
- Marine applications









Product	Housing	Cable Material	O-Ring	Applications
PTL 110	1.4404 (AISI 316L)	PE (polythene)	NBR	Wells, water tanks, lake level, river level, reservoirs
PTL 120	1.4462 (dublex)		NBR	Sea water, saline water, waste water gray water
	1.4404 (AISI 316L)	PE (polythene)		
	Titanium			
PTL 130	1.4404 (AISI 316L)	PTFE (polytetraflorethylene)	Viton (FKM)	Oils and fuels

## **Atek Sensor Technologies**



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