



SENSORS &
CONTROLLERS



ANALYZERS
& SAMPLERS



LEVEL, FLOW
& PRESSURE



WEB APP &
DATALOGGING



ACCESSORIES

KPL DATASHEET

HYDROSTATIC HEAD LEVEL TRANSMITTERS



MAIN FEATURES

Suitable for continuous liquids level measurement. Typical application are waste water and deep wells. The KPL level transmitter configuration options make it suitable for most industrial sectors (oil, chemical, power, metallurgy, pharmaceutical and food) and in different operating conditions. These characteristics make it the ideal instrument in process automation for the hydrostatic head levels measurement.

- Suitable for use in clear water
- Range 1 ÷ 200 m H₂O
- IP rating (wetted part): IP68
- Power supply 12÷30Vdc (2-wires)
- Optional IP67 aluminum housing

APPLICATIONS

- Wastewater
- Deep Wells
- Clear water
- Food
- Pharmaceutical
- Chemical industry

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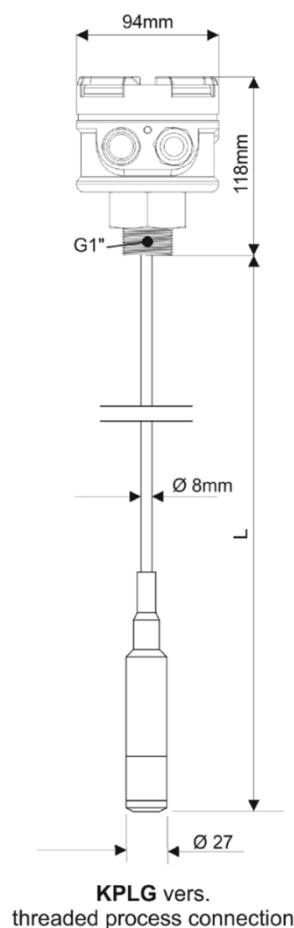
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KPL DATASHEET

TECHNICAL DATA

Housing Material (opt.)	Aluminum
Immersed probe material	SS304
Shielded cable material	PU Ø7.5mm
Measure range	From 0÷1mH ₂ O to 0÷200mH ₂ O
Stability	±0.1% fs/12 months
Accuracy	±0.5%
Working temperature	-20°C ÷ +70°C
Storage Temperature	-40°C ÷ +80°C
Wetted part protection	IP68
Housing protection vers. KPLC, KPLE	IP67
Analog output	4÷20mA
Process connection	G 1"; G1" 1/2; suspension cable; self-supporting fastening hook (opt.)
Power Supply	10÷36Vdc (2-wire)

DIMENSIONS



ORDER CODES

KPL	Hydrostatic head level transmitter Suitable for clean waters application Immersed probe material : SS316L Piezoelectric sensor - PU cable Operation temperature: - 20° ÷ +70°C Power supply: 10÷36Vdc Wire-loop connection (2-wire) - Output: 4÷20mA (min 0,5, max 30mA) Standard accuracy: ± 0,5%
Version	
C	Ø 27mm. with aluminum IP67 connection head - 5m cable
D	Ø 27mm. without connection head - IP68 - 5m cable
E	Ø 16mm. with aluminum IP67 connection head - 5m cable
F	Ø 16 mm without aluminum connection head IP68. 5m cable
H	Ø 27mm. without connection head - Accuracy 0,2% 5m cable
Certification	
M	For use in drinking water
N	None
Process connection	
N	None
P	Male Thread G 1" ½ / PP
T	Male Thread G 1" / AISI304
Sealed Material	
F	FPM (Viton)
S	AISI 316 totally welded - Necessary for version E and F
Accessories	
A	None
B	Junction box in PC (490A074C)
G	Fastener for wall fixing (for D version)
M	Scroll coupling with threaded connection 1" ½ G
N	nipple adapter for connection ½ G Male
A	None
Measuring Range	
G03	0 ÷ 10KPa (0 ÷ 0,1bar / 0 ÷ 1m H ² O) gauge p.
G04	0 ÷ 16KPa (0 ÷ 0,16bar / 0 ÷ 1,6m H ² O) gauge p.
G05	0 ÷ 20KPa (0 ÷ 0,2bar / 0 ÷ 2m H ² O) gauge p.
G06	0 ÷ 25KPa (0 ÷ 0,25bar / 0 ÷ 2,5m H ² O) gauge p.
G07	0 ÷ 30KPa (0 ÷ 0,3bar / 0 ÷ 3m H ² O) gauge p.
G08	0 ÷ 35KPa (0 ÷ 0,35bar / 0 ÷ 3,5m H ² O) gauge p.
G09	0 ÷ 40KPa (0 ÷ 0,4bar / 0 ÷ 4m H ² O) gauge p.
G10	0 ÷ 60KPa (0 ÷ 0,6bar / 0 ÷ 6m H ² O) gauge p.
G11	0 ÷ 100KPa (0 ÷ 1bar / 0 ÷ 10m H ² O) gauge p.
G12	0 ÷ 160KPa (0 ÷ 1,6bar / 0 ÷ 16m H ² O) gauge p.
G13	0 ÷ 200KPa (0 ÷ 2bar / 0 ÷ 20m H ² O) gauge p.
G14	0 ÷ 250KPa (0 ÷ 2,5bar / 0 ÷ 25m H ² O) gauge p.
G15	0 ÷ 400KPa (0 ÷ 4bar / 0 ÷ 40m H ² O) gauge p.
G16	0 ÷ 600KPa (0 ÷ 7bar / 0 ÷ 70m H ² O) gauge p.
G17	0 ÷ 1,0MPa (0 ÷ 10bar / 0 ÷ 100m H ² O) gauge p.
G18	0 ÷ 2,0MPa (0 ÷ 20bar / 0 ÷ 200m H ² O) gauge p.