



SENSORS &
CONTROLLERS



ANALYZERS
& SAMPLERS



LEVEL, FLOW
& PRESSURE



WEB APP &
DATALOGGING



ACCESSORIES

KWL DATASHEET

HYDROSTATIC HEAD LEVEL TRANSMITTER



MAIN FEATURES

KWL is a great reliability level measurement for liquids. Typical application are waste water even with sludge presence. The hydrostatic level measurement uses the direct relationship between the height of the column of liquid and the pressure on the sensor diaphragm. The variation of level/pressure measured is transmitted by 4 ÷ 20 mA signal.

- Designed specifically for wastewater
- Accuracy: $\pm 0.5\%$
- Range: 1...200 m H₂O
- Immersed sensor protection (wet part): IP68
- Power supply: 12...30Vdc (2-wire)
- Optional IP67 Aluminum Housing

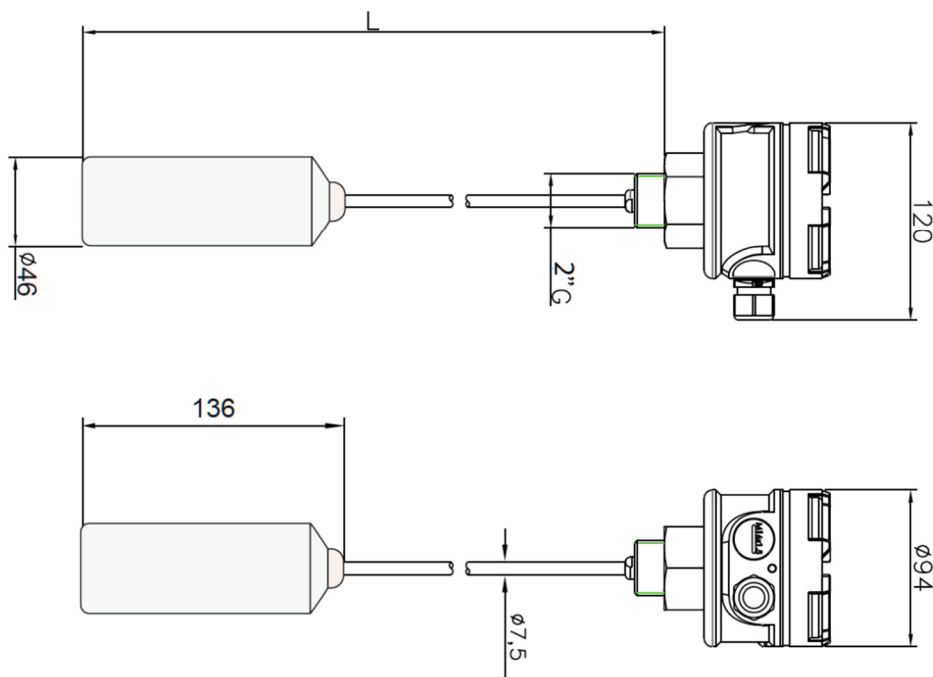
APPLICATIONS

- Wastewater
- Food and Beverage
- Pulp and paper
- Chemical industry

TECHNICAL DATA

Housing Material (opt.)	Aluminum
Immersed probe material	PVC
Shielded cable material	PU Ø7.5mm
Measure range	From 0÷0.4m H ₂ O to 0÷200m H ₂ O
Stability	±0.1% fs/12 months
Accuracy	±0.5%
Working temperature	-10°C ÷ +50 °C
Storage Temperature	-20°C ÷ +70 °C
Wetted part protection	IP68
Housing protection vers. KWLC	IP67
Analog output	4÷20mA
Process connection	2" GAS M; suspension cable; self- supporting fastening hook (opt)

DIMENSIONS



ORDER CODES

KWL	Piezometric level sensor for wastewater Ranges from 0 ÷ 0,4m to 0 ÷ 200mH ₂ O. Accuracy 0,5% PVC body Ø 46mm. Golden Ceramic membrane. PU cable. Mechanical protection IP68 Operation temperature: -10° ÷ +50°C Power supply: 10...36Vdc Wire-loop connection (2-wire) Output signal: 4÷20mA
Version	
C	With cable extension complete with connection aluminum head IP67. Connection 2 "G in PP
G	Suspended without connection head - IP68 complete with mounting clamp.
Z	Special
Measure Range	
402	0 ÷ 0,4m H ₂ O gauge p.
103	0 ÷ 1m H ₂ O gauge p.
203	0 ÷ 2m H ₂ O gauge p.
503	0 ÷ 5m H ₂ O gauge p.
104	0 ÷ 10m H ₂ O gauge p.
204	0 ÷ 20m H ₂ O gauge p.
254	0 ÷ 25m H ₂ O gauge p.
504	0 ÷ 50m H ₂ O gauge p.
704	0 ÷ 70m H ₂ O gauge p.
105	0 ÷ 100m H ₂ O gauge p.
205	0 ÷ 200m H ₂ O gauge p.
Cable Length	
502	5 m
103	10 m
153	15 m
203	20 m
253	25 m
303	30 m
353	35 m
403	40 m
503	50 m
603	60 m