



## KWL Hydrostatic head level transmitter

Suitable for use in waste water

Accuracy  $\pm 0.5\%$

Range  $1 \div 200 \text{ m H}_2\text{O}$

IP rating (wetted part): IP68

Power supply  $12 \div 30 \text{ Vdc}$  (2-wires)

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  $4 \div 20 \text{ mA}$  signal.

### Technical Feature

**Power supply**

$12 \div 30 \text{ Vdc}$  (2-wire)

**Measurement range**

from  $0 \div 0.4 \text{ mH}_2\text{O}$  to  $0 \div 20 \text{ mH}_2\text{O}$

**Immersed probe material**

PVC

**Shielded cable material**

PU  $\varnothing 7.5 \text{ mm}$

**Housing material (opt)**

aluminum

**Process connection**

2" GAS M; suspension cable; self-supporting fastening hook (opt.)

**Analog output**

$4 \div 20 \text{ mA}$

**Stability**

$\pm 0.1\% \text{ fs} / 12 \text{ months}$

**Accuracy**

$\pm 0.5\%$

**Working temperature**

$-10^\circ \div +50^\circ \text{C}$

**Storage temperature**

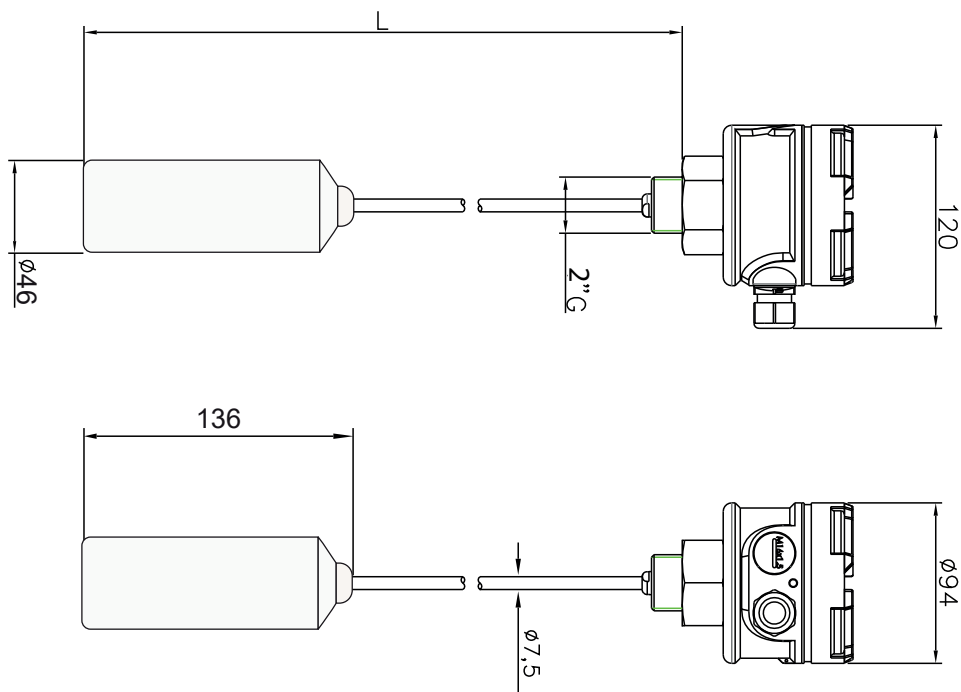
$-20^\circ \div +70^\circ \text{C}$

**Wetted part protection**

IP68

**Housing protection vers. KWLC**

IP67

**KWL****Hydrostatic head level transmitter**

Suitable for wastewater applications - IP68  
Capacitance sensor - Immersed probe material ( $\varnothing 46$  mm): PVC  
Gold-plated ceramic diaphragm - PU  $\varnothing 7,5$ mm shielded cable  
FPM (Viton) sealing  
Operation temperature:  $-10^{\circ} \div +50^{\circ}\text{C}$   
Power supply:  $12 \div 30\text{Vdc}$   
Wire-loop connection (2-wire) - Output:  $4 \div 20\text{mA}$   
Accuracy:  $\pm 0,5\%$  F.S.

Version	
A	Standard - Suspension type without connection head - IP68
C	Cable extension with IP67 aluminum enclosure. G 2" connection in PP
G	Suspension type without connection head - IP68 with anchor hook (cod 835A001A)
Z	Special
Measure range	
402	$0 \div 0,4\text{m}$ H2O gauge pressure
103	$0 \div 1\text{m}$ H2O gauge pressure
203	$0 \div 2\text{m}$ H2O gauge pressure
503	$0 \div 5\text{m}$ H2O gauge pressure
104	$0 \div 10\text{m}$ H2O gauge pressure
204	$0 \div 20\text{m}$ H2O gauge pressure
504	$0 \div 50\text{m}$ H2O gauge pressure
105	$0 \div 100\text{m}$ H2O gauge pressure
205	$0 \div 200\text{m}$ H2O gauge pressure
999	Special
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
999	Special