



LEVEL SWITCH FOR FLUIDS

KMW-LC



- ▶ **COMPACT DESIGN**
- ▶ **ALL STAINLESS STEEL**
- ▶ **ACCORDING TO 3A AND EHEDG**
- ▶ **OUTPUT PNP OR NPN**
- ▶ **PRINCIPLE CAPACITIVE**
- ▶ **ADJUSTABLE WITH SOFTWARE**
- ▶ **SHORT INSERTION LENGTH**
- ▶ **SUITABLE FOR CIP / SIP**
- ▶ **STATUS LED INDICATION**
- ▶ **OPTION: IO-LINK OUTPUT**



Description

The KMW-LC is a micro-processor based compact level switch with various hygienic process connections. It can be adjusted very easily by special Klay software and a PC-USB interface. The trending function makes it possible to monitor the process during a longer time period to determine the switching point. The KMW-LC is very suitable for point level detection of liquids in the food & beverage and pharmaceutical industry. A LED indication at the cable entry is clearly showing the switch status.



KLAY-INSTRUMENTS B.V.

www.klay-instruments.com

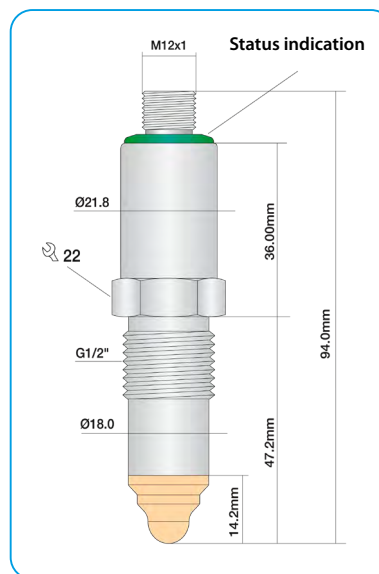
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Specifications

Housing material	: AISI 316L
Sensor material	: PEEK
Ambient temperature	: -10...70 °C
Process temperature	: 0...100 °C (130°C/1h)
Pressure	: max. 10 bar
Protection grade	: IP68 / 69K
Switching delay	: <0,3 s
Response time	: 200 ms
Electrical connection	: M12
Supply voltage	: 12...32 VDC
Output	: PNP, NPN, Push Pull switchable or IO-Link
Process connection	: G1/2" (standard). Options (by adapters): Tri-Clamp, Varivent, Milkcoupling

Dimensions



PROCESS CONNECTIONS

Standard threaded connection G1/2" (Torque max. 20Nm).
In combination with our welding socket LZN this connection is acc. to 3A and EHEDG. Other hygienic connections available by adapters, i.e. Tri-clamp, Varivent, or Milkcoupling.

APPLICATIONS

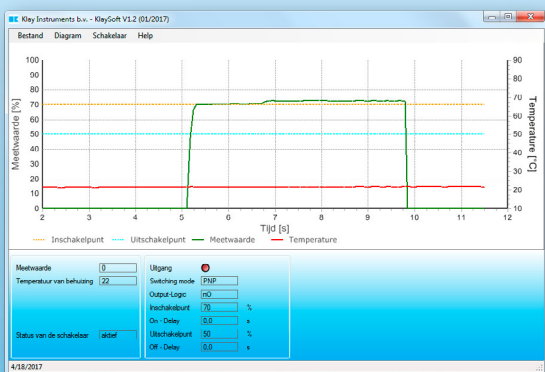
The KMW-LC can be used in various fluids for high and low point level detection and dry run protection. Suitable for use on mainly aqueous fluids like milk, beer and CIP-liquids.

For high viscous media ask for our model KMW-6-G-H-P.

PC-USB INTERFACE

The KMW-LC is supplied with a factory configuration directly applicable for most common fluids.

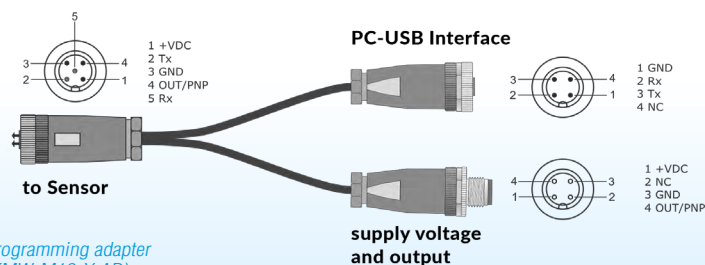
By using the PC-USB Interface, settings can be changed for use on other fluids. The special software (KlaySoft) can be used to configure the KMW-LC for various functions like NC / NO, switching delay and sensitivity.



Visualization / programming via PC-USB interface



PC-USB Interface
(KMW-PC-M12)



Programming adapter
(KMW-M12-Y-AD)

Ordering codes

Orderingcode for standard switch (G1/2")	KMW-LC
Orderingcode for IO-Link switch (G1/2")	KMW-LC-IO
ACCESSOIRES:	
PC-USB Interface	KMW-PC-M12
Programming adapter (Y adapter-M12)	KMW-M12-Y-AD
Adapter G1/2" to Tri clamp 11/2"	Art. No. 10923
Adapter G1/2" to Tri clamp 2"	Art. No. 10924
Adapter G1/2" to Varivent	Art. No. 10907
Adapter G1/2" to milkcoupling DN 40	Art. No. 10925