



LevelMaster - Capacitive Sensors

Model G 1/2"

For level control of liquids, bulk material or pastes Ideal for level control in the Food Industry or Pharmaceutical Industry

- Housing material: PEEK
- Adjustment of the sensitivity with ETW- Function (EasyTeach by wire)
- With flange connector M 12 x 1
- Welding sockets and Varivent adapter available for EHEDG conform mounting
- Useable for an ambient temperature up to +100 °C



Technical data	Non-flush mountable
Level sensor, in contact with the product	Medium dependent adjustable
Operating distance min. / max. adjustable	1...10 mm
Electrical version	3-pin DC
Output function	Normally open
Type PNP	KAS-80-A23-S-G1/2-PEEK-100C-Y3-ETW-NL
Art.-No.	KA 1644
Operating voltage (U _B)	12...30 V DC
Voltage drop max. (U _d)	≤ 2.0 V
Permitted residual ripple max.	5 %
Operating current (I _e)	0...200 mA
No-load current (I _o)	Typ. 15 mA
Frequency of operating cycles max.	50 Hz
Permitted ambient temperature	-25...+100 °C / CIP 121 °C
LED-display	Yellow
Protective circuit	Built-in
Degree of protection IEC 60529	IP 67
Norm	EN 60947-5-2
Connection	Flange connector M 12 x 1 (A-coded)
Housing material	PEEK (FDA 21 CFR 177.2415)
Active surface	PEEK (FDA 21 CFR 177.2415)
Accessories (not delivered with the sensor): Varivent Adapter art.No. 196395, Welding Socket art.No. 196394 and matching connectors please see our selection of accessories.	
Matching connectors (not delivered with the sensor)	#193391, #193392

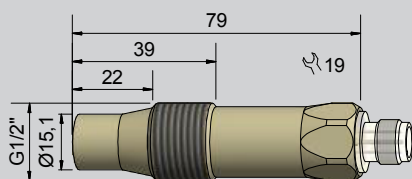
Capacitive Sensors for level control of products with a dielectric constant ϵ_r from 1,1. Products can be:

- Bulk materials, such as grain, sugar, granulates.
- Liquids, oil, chemicals or pharmaceutical solutions and much more.

Highlights:

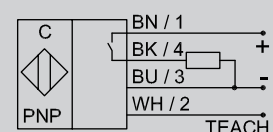
- EHEDG conform
- Measurement is independent of the mounting position

All specifications are subject to change without notice. (22.03.2021)



EasyTeach chart:

- [Square wave] Adjustment "empty"
- [Sawtooth wave] Initializing "empty"
- [Square wave] Adjustment "full"
- [Sawtooth wave] Initializing "full"
- [Pulse] Test



Made in Germany