



## LevelMaster - Capacitive Sensors - S26 - Analogue Output 4 - 20 mA

Model G 1/2"

- For level control of conductive and/or viscous liquids or pastes, for instance oil, water, ketchup or honey.
- Ideal for level control in the Food Industry or Pharmaceutical Industry
- Housing material: Stainless steel (VA)
- 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.
- With programmable analogue output 4 - 20 mA



| Technical data                        | Non-flush mountable                               |
|---------------------------------------|---|
| Sensitivity                           | Dielectric constant $\epsilon_r > 1.25$           |
| Electrical version                    | 3-pin DC  |
| Output function                       | Analogue  |
| <b>Typ Analogue</b>                   | <b>KS-801-26/133-IL20-G1/2-PEEK/VAb-Y3-ETW-HP</b> |
| <b>Art. No.</b>                       | <b>KA 1475</b>                                    |
| Operating voltage ( $U_B$ )           | 12.5...35 V DC                                    |
| Output signal                         | 4...20 mA   |
| Output current active surface free    | $\geq 20$ mA                                      |
| Output current active surface covered | $\leq 4$ mA                                       |
| Load resistor ( $R_L$ )               | 0...600 Ohm                                       |
| No-load current ( $I_0$ )             | Typ. < 30 mA                                      |
| Permitted ambient temperature         | 0...+70 °C / CIP 121 °C                           |
| Permitted product temperature         | 0...+100 °C                                       |
| LED-display                           | Green / orange                                    |
| Protective circuit                    | Built-in  |
| Degree of protection IEC 60529        | IP 67, IP 69K                                     |
| Norm                                  | EN 60947-5-2, EN 60947-5-7*                       |
| Connection                            | Connector M 12 x 1                                |
| Operating pressure                    | Max. 10 bar                                       |
| Housing material                      | Stainless steel VA No. 1.4305 / AISI 303          |
| Material active surface               | PEEK (FDA 21 CFR 177.2415)                        |

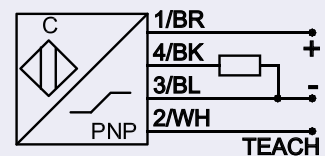
**Accessories** (not supplied with the sensor): Varivent Adapter art.No. 196395, Welding Socket art.No. 196394 and matching connectors please see our selection of accessories.

Capacitive Sensors of the S26 series with hemispherical active surface for analogue level control of products with a dielectric constant  $\epsilon_r$  from 1,25. Products such as:

- Liquids, like, juice, wine, oil, chemicals or pharmaceutical solutions and much more.

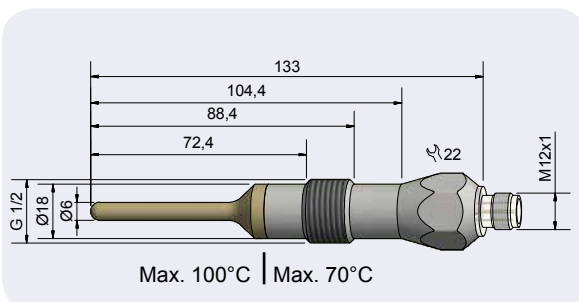
### Highlights:

- EHEDG conform
- Analogue measuring range max. 40 mm
- Permitted pressure on the active area: 10 bar

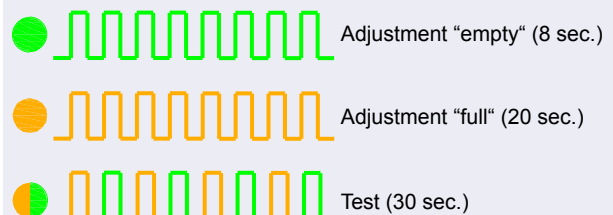


All specifications are subject to change without notice. (06/2017)

\*Where applicable



### EasyTeach chart:



**Made in Germany**

# LevelMaster



This capacitive sensor is designed for the analogue level control of liquid or viscous products, which can be conductive and/or viscous and sticky.

Materials like ketchup, mayonnaise, yoghurt, syrups, pastes, or liquids with salt or acids will be reliably detected with the LevelMaster.



It could not be easier.

The user mounts the sensor, makes the electrical connection and the adjustment by means of the teach wire and the sensor is ready for use.

No additional teach equipment necessary.

Optical guidance during the teach process with the aid of a 2-colour LED:

- standby • teach process • switching state

The modern micro controller controlled temperature compensation provides for reliable level control with applications where there are variations in the ambient temperatures.

The sensor body is made of stainless steel Material Nr. 1.4305 (AISI 303).

When the sensor is mounted with our adapters: welding socket or the process adapter Varivent N DN 50 a hygienic, EHEDG conforming process connection will be achieved.

## Directive (EC) 1935/2004

The traceability of the used plastic material PEEK according to the directive (EC) 1935/2004 is confirmed by RECHNER with a conformity declaration, that is provided on the website as download document under certificates.



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