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КАТАЛОГ емкостных датчиков S26

RECHNER SENSORS

Capacitive Sensors



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SUPERIOR SERIES

Capacitive sensors - Series 40 - NAMUR

The 40 series includes capacitive sensors in two-wire version according to NAMUR DIN 60947-5-6, also in Ex version for use in zone 20 (dust explosion protection) / zone 0 (gas explosion protection). The sensors can be installed in hazardous areas if approved isolating amplifiers with intrinsically safe control circuits [Exia] or [Exib] of our N-132 series are connected. The 2-wire analog sensors of this series are certified for Zone 20 / Zone 0.

Capacitive sensors - Series 70 (NPN) / Series 80 (PNP)

Series 70 and Series 80 include capacitive sensors in three- and four-wire versions with switching output NPN (70) and PNP (80) in normally open, normally closed or antivalent function. Electronic circuits, PLCs, relays and our 130 series of power supplies can be connected directly. The sensors are reverse polarity protected, overload proof and designed with permanent short circuit protection. Ex versions for use in zone 20 (dust explosion protection) and zone 1 (gas explosion protection) with ATEX and IECEx approval, sensors for continuous temperatures up to +100 °C are available.

Capacitive sensors - Series 801 - LevelMaster PNP XS

The 801 series includes capacitive sensors in three versions with switching output in normally open, normally closed or analog function. Electronic circuits, PLCs, relays, and our series 130 power supplies can be connected directly. The sensors are reverse polarity protected, overload proof and designed with permanent short circuit protection. Sensors for continuous temperatures up to +160 °C as well as for media to be detected with very high conductivity complete the application ranges of the standard versions.

SERIES 26 - AROUND THING!



Dirt and **buildup** in your processes?
The **26s** enable *safe* and *reliable* level detection.

Go for the
round ones !



SIP / CIP
at 121°C

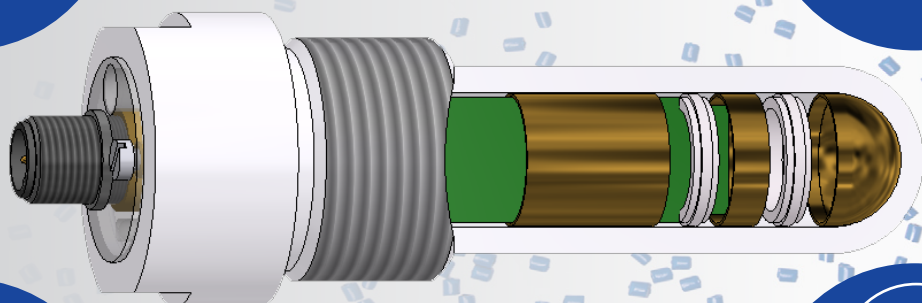


Innovative
electrode
structure



semicircular
active Surface

Use of
high quality materials
PEEK & PTFE



50%
larger
compared to
regular
construction



WHG



ATEX
all in one



Media optimized

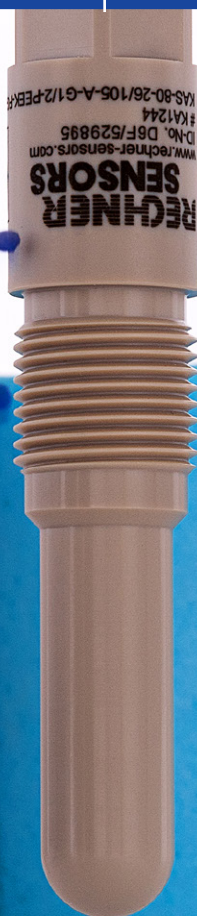
Intelligent sensor geometry
for optimum dripping behavior

Optimal acquisition
of the media despite
different DK



SERIES 26 - AROUND THING!

Material	Chemical resistance	FDA	Abrasion resistance	Pressure load
PTFE	excellent	21 CFR 177.1550	moderate	3 bar
PEEK	excellent	21 CFR 177.2415	excellent	10 bar



Industries

- Semiconductor Technology
- Chemical industry
- Food industry

Applications

- **Bulk materials**, such as granules, powder, grain
- **Liquids**, such as water, oil, chemically aggressive media
- **Pasty substances**, e.g. glues, resins, adhesives

FOOD GRADE



KA1244

KAS-80-26/105-A-G1/2-PEEK-FG-Z02-1-HP

OVERVIEW

- Process connection: G 1/2
- Body material: PEEK (FDA 21 CFR 177.2415)
- SIP / CIP 121° C
- Ideal for level monitoring in the food industry
- Food Grade
- EHEDG-C2000020 (EL Class I)



KA1700

KS-801-26/86-S-G1/2-PEEK/VAb-FG-Y3-ETW-HP

OVERVIEW

- Process connection: G 1/2"
- Body materials:
- PEEK (FDA 21 CFR 177.2415)
- stainless steel no. 1.4305 - AISI 303
- SIP / CIP 121° C
- Ideal for level control in the food or pharmaceutical industry
- Remote adjustment via Easy Teach by Wire
- EHEDG compliant assembly
- Food Grade



KA1686

KAS-80-26/113-A-G1-PTFE-FG-Z03-ETW-HP-2G-1/2D

OVERVIEW

- Process connection: G 1"
- Housing material PTFE (FDA 21 CFR 177.1550)
- SIP / CIP 121° C
- For chemically aggressive products
- Remote adjustment via Easy Teach by Wire
- Food Grade
- Ex II 2G Ex mb IIC T4 Gb
- Ex II 1/2 D Ex ta/tb IIIC T101°C DA/Db



ATEX - ALL IN ONE



KA1685

KAS-80-26/105-A-G1/2-PEEK-FG-Z03-ETW-HP-2G-1/2D

OVERVIEW

- Process connection: G 1/2"
- Body material: PEEK (FDA 21 CFR 177.2415)
- SIP / CIP 121° C
- Remote adjustment via Easy Teach by Wire
- No isolation amplifier necessary
- Ex II 2G Ex mb IIC T4 Gb
- Ex II 1/2 D Ex ta/tb IIIC T101°C DA/Db



KA1409

KAS-80-26/160-A-G1/2-PEEK-Z03-1-HP-2G-1/2D

OVERVIEW

- Process connection: G 1/2"
- Body material: PEEK (FDA 21 CFR 177.2415)
- SIP / CIP 121° C
- No isolation amplifier necessary
- Ex II 2G Ex mb IIC T4 Gb
- Ex II 1/2 D Ex ta/tb IIIC T101°C DA/Db



KA0264

KAS-80-26/113-A-G1-PTFE-Z03-1-HP-2G-1/2D

OVERVIEW

- Process connection: G 1"
- Housing material: PTFE (FDA 21 CFR 177.1550)
- SIP / CIP 121° C
- No isolation amplifier necessary
- Ex II 2G Ex mb IIC T4 Gb
- Ex II 1/2 D Ex ta/tb IIIC T101°C DA/Db



ATEX - NAMUR



KA1231

KAS-40-26-N-K-G1"-200-PTFE-Y5-StEx

OVERVIEW

- Process connection: G 1"
- Housing material: PTFE (FDA 21 CFR 177.1550)
- SIP / CIP 121 °C
- Ex II 1G Ex ia IIC T1-T6 Ga
- Ex II 1D Ex ia IIIC T101°C Da



KA0933

KAS-40-26-N-K-G1"-PTFE-StEx

OVERVIEW

- Process connection: G 1"
- Housing material: PTFE (FDA 21 CFR 177.1550)
- SIP / CIP 121 °C
- Ex II 1G Ex ia IIC T1-T6 Ga
- Ex II 1D Ex ia IIIC T101°C Da



KA1234

KAS-40-26-N-K-Tri-PTFE-StEx

OVERVIEW

- Process connection: Triclamp (DIN 32676, series A)
- Housing material: PTFE (FDA 21 CFR 177.1550)
- SIP / CIP 121 °C
- Ex II 1G Ex ia IIC T1-T6 Ga
- Ex II 1D Ex ia IIIC T101°C Da



WHG - SIL - IO-LINK



813100

KAS-80-26/113-A-G1-PTFE-Z02-1-HP



OVERVIEW

- Process connection: G 1"
- Housing material: PTFE (FDA 21 CFR 177.1550)
- SIP / CIP 121 °C
- WHG:
Overfill protection (Z-65.13-572)
Leakage control (Z-65.13-573)



KA1514

KAS-40-26-N-K-G1/2"-PEEK-StEx



OVERVIEW

- Process connection: G 1/2"
- Body material: PEEK (FDA 21 CFR 177.2415)
- SIP / CIP 121 °C
- SIL 2
- Ex II 1G Ex ia IIC T1-T6 Ga
- Ex II 1D Ex ia IIIC T101°C Da



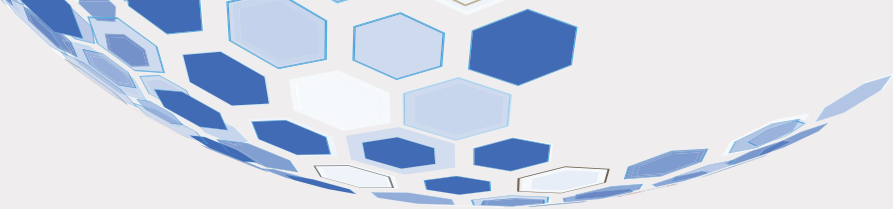
KA1534

KAS-80-26/113-A-G1-PTFE-IOL-Y10-ETW-HP



OVERVIEW

- Process connection: G 1"
- Housing material: PTFE (FDA 21 CFR 177.1550)
- SIP / CIP 121 °C
- Remote adjustment via Easy Teach by Wire
- IO-Link



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