RECHNER SENSORS

HIGHLIGHTS 2024

custom made
level control
for your industry

FAMILY BUSINESS AT AN ADVANTAGE

FLEXIBILITY, QUALITY, DIVERSITY

Family can be chaotic - our diversity helps us learn and grow from generation to generation.

Family cares about everyone - our values grow from the appreciation of our children.

Family is together - this is true when family grows from a few to a hundred.

Family is sustainable - families look to the future and are inherently long-lasting.

Success is a family affair. Consistency is just as much a part of the family business as reinvention.

DR. ING. ARMIN KOHLER
CEO, MANAGING PARTNER

APPRECIATING VALUES

Practised sustainability in every area

SIMPLY START - WE LIVE IT

Care for our immediate environment:
- Bees on our own company premises
- We utilise roof surfaces for solar power (60% own power)

Long-term thinking:
- Development of durable and high-quality sensors conserves customer satisfaction and sustainability
- Made in Germany

Local support:
- Planting of trees
- Protection of the forest
- Investing in the future with school and sports projects
- Support of security forces (police, fire brigade)

Making a big difference:
- Environmental packaging
- Reducing plastic waste - conserving resources and saving space
- Sensors that make the world a safer place

BEE COLONIES ON THE WILDFLOWER MEADOWS IN FRONT OF THE PRODUCTION AND WAREHOUSE BUILDINGS

NEW

OPTIMIZED LEVEL PROBE

Automatic material detection, compensation, and adjustment.

Continuous level measurement with one setting for all materials thanks to automatic compensation of the dielectric constants in a wide range from ε_r 1,5 to 80.

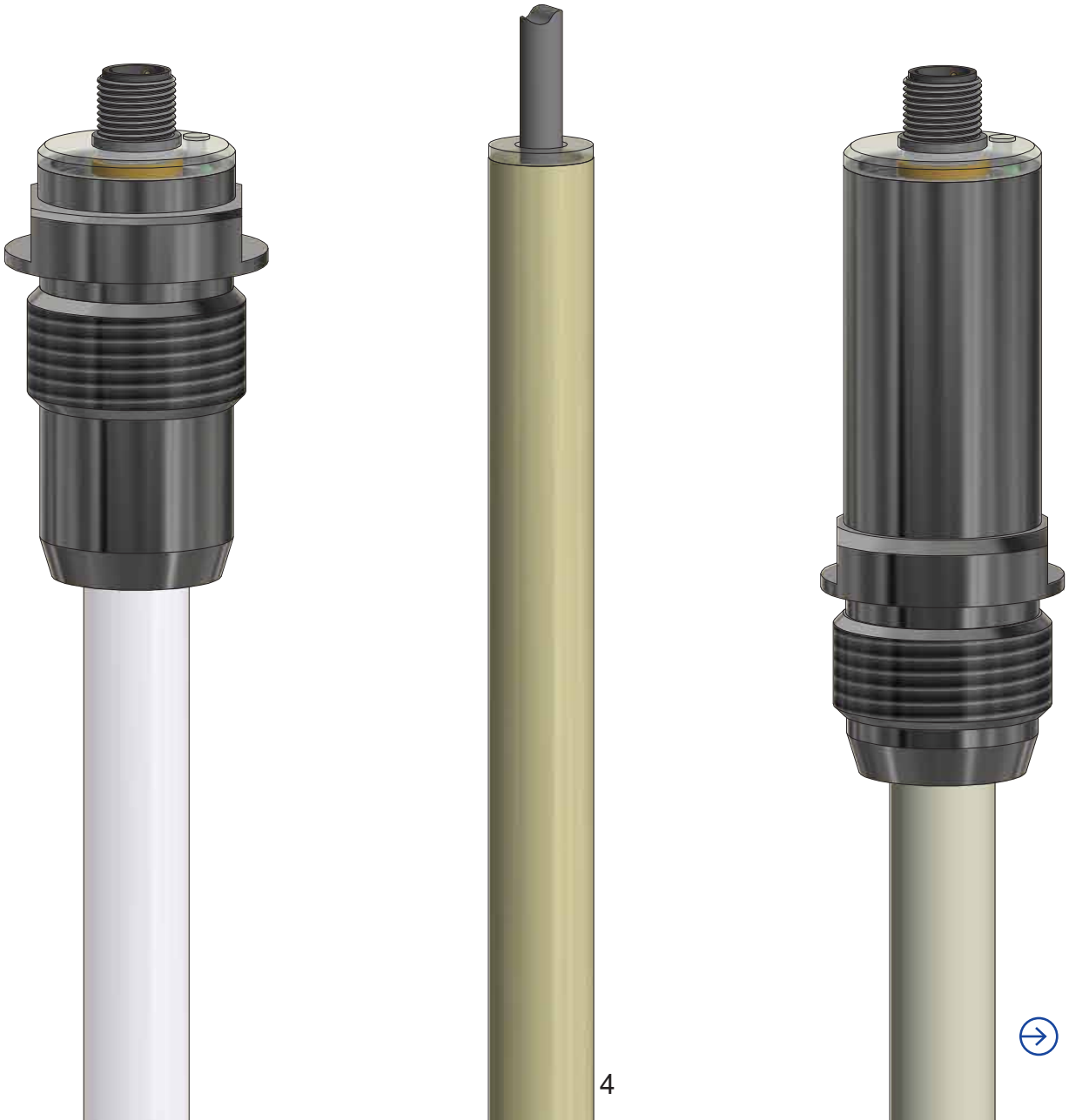
TiLevel

Setting with empty container:

No filling material necessary

No readjustment

One setting for all media



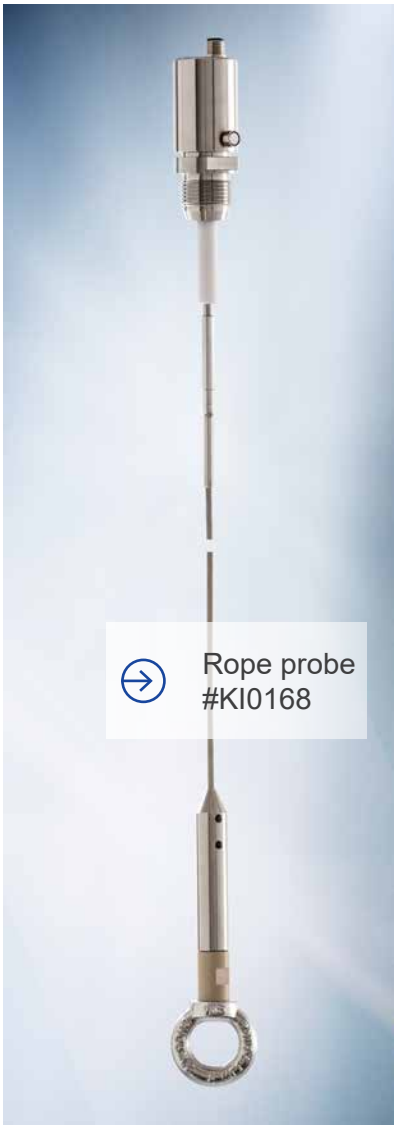
Level probes
#KI0231
#KI0234

METAL ROD PROBE

Use under extreme process conditions

small, practical, exceptional
The small head and slim electrode make the rod probe an absolute innovation.

Rod probe
#KI0211
#KI0213



Rope probe
#KI0168

Versions available with
Ex certificate
IECEX
UKCA

Flexible with rope

FOOD

Sensors for the food industry

Our sensors are suitable for direct contact with food and fulfill the highest hygiene and quality standards. They offer safety, sterility and precision for the entire food media spectrum - whether powders, granulates, liquids, or viscous pastes.

Capacitive
Sensor D30
#KA1529

Capacitive
Sensor
#KA1685

Capacitive
M30 Sensor
#KA1689

FDA-DECLARATION
REGULATION (EC) 1935/2004
Rechner Sensors overperform

PTFE
FDA 21
CFR 177.1550
conform

PEEK
FDA 21
CFR 177.2415
conform

Capacitive
M12 Sensor
#KA1693

Capacitive
Sensor D50
#KA1717

LevelMaster available
in different versions: For
granules, spices, ketchup...

CHEMISTRY

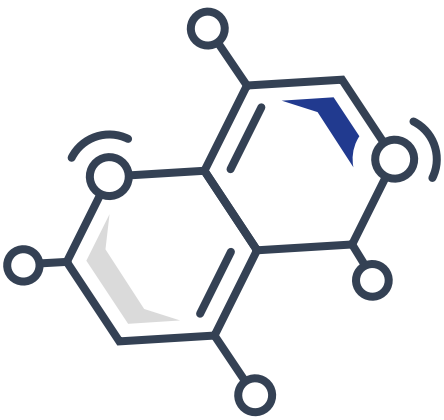
Sensors for the chemical industry

Capacitive Sensor #KA0343

Capacitive Sensor #KA0390

Capacitive Paddle-Sensor #KA1237

The chemical industry works with state-of-the-art technology and has high demands on productivity, quality, and efficiency. Rechner‘s measurement technology offers the correct sensors for level measurement, level detection, and leakage detection. Reliable, process-safe and service-friendly.



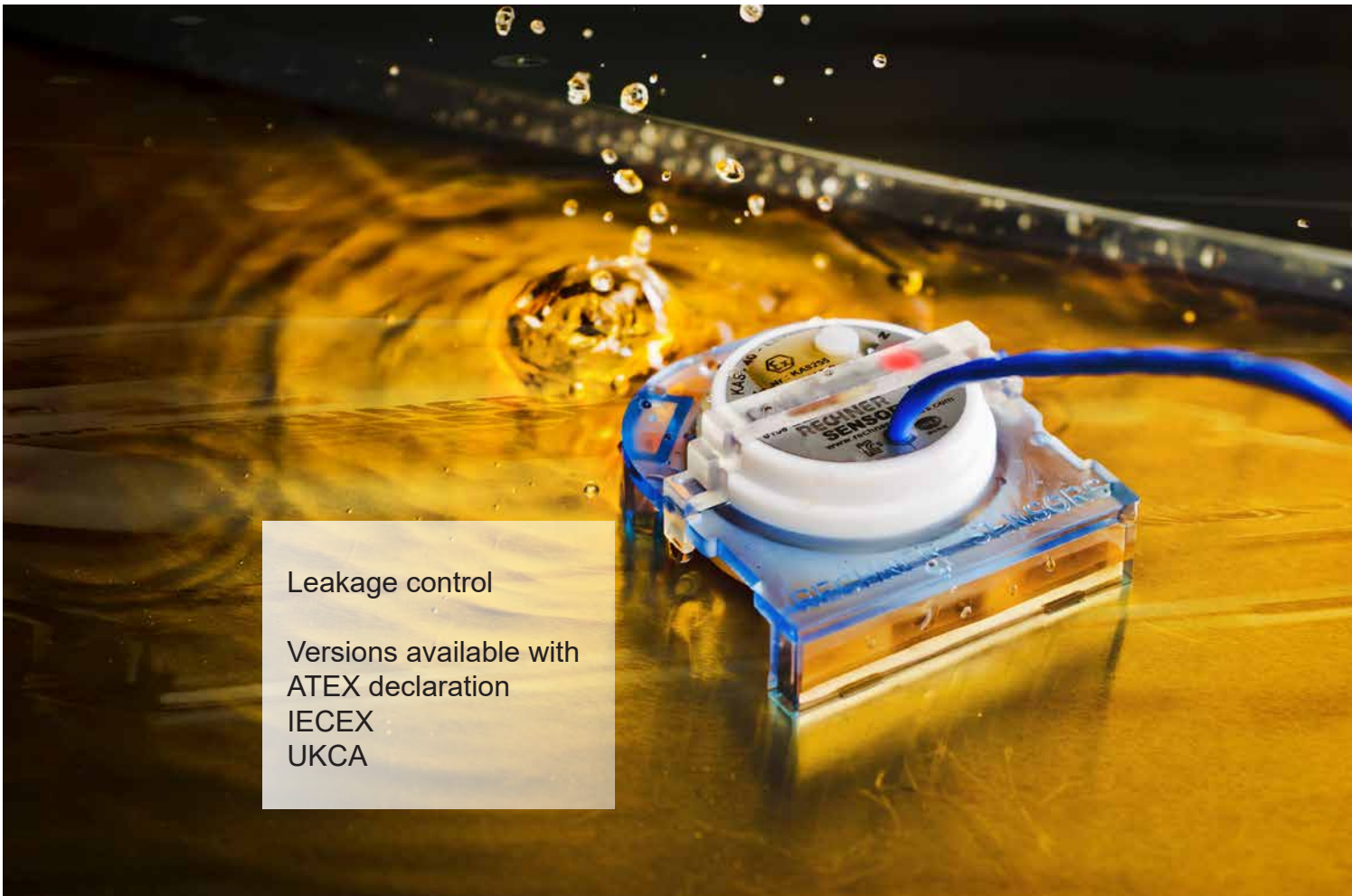
WHG
WATER RESOURCES ACT
To protect our water

Leackage sensor:
Z-65.40-573
Simple installation and quick detection of leaking liquids.

Overfill protection:
Z-65.13-572
Simple installation and secure protection against overfilling.

LEAK
Sensor
#KA1544

Capacitive
Sensor
#813100



EXPLOSION AREA

The correct solution for every installation situation

Inductive
M30 Sensor
#IA0109

Inductive Namur*
M18 Sensor
#IA0092

Capacitive
Sensor
#KA1190

LEAK
Sensor
#KA9037

Brass
M30 Sensor
#KA1397

Capacitive
Sensor
#KA1426

* NAMUR is a German specific abbreviation (Normenarbeitsgemeinschaft für Mess- und Regeltechnik in der chemischen Industrie) and means intrinsically safe.

SAFETY FIRST

Protection in every area of your company

Large
M32 Sensor
#KA0819

Small
M12 Sensor
#KA1564

Level probe
#KF0602

PHARMACEUTICALS

Sensors for the pharmaceutical industry

Specially developed sensors with FDA and EHEDG certification for the high hygienic quality requirements of the pharmaceutical industry offer process reliability and repeatability. They are optimised for CIP cleaning. The materials used meet the requirements of EC1935/2004 with regard to traceability and inertness. Precise detection in processes up to 250°C and ATEX-certified variants for zones 20 and 0. Our sensors are available with all common process adapters.

HYGIENIC DESIGN

Sensor
with EHEDG
#KA1244

CERTIFIED
EUROPEAN HYGIENIC ENGINEERING & DESIGN GROUP
EHEDG
TYPE EL
CLASS I
JUNE 2020

Capacitive
Sensor
#KA0829

Perfect
cleanability

Small, capacitive
M8 Sensor
#KA1543

Hygiene adapter
available

SIL
Safety Integrity Level

SIL 2

Safe medicine thanks to optimal hygienic design and reproducible quality.

CIP
Clean in Place

Clean constructed

Capacitive
M32 Sensor
#KA1719

Capacitive
Sensor
#KA0869

Capacitive
M18 Sensor
#KA1283

PLASTICS

Sensors for the plastics industry

Ceramic surface protects against abrasive plastic granules

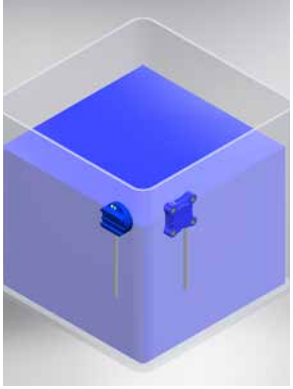
Ceramics
M32 Sensor
#KA1220

Capacitive
M30 Sensor
#KA1312

Capacitive
probe
#KF0099

Capacitive
M18 Sensor
#KA1259

Capacitive
M32 Sensor
#818159

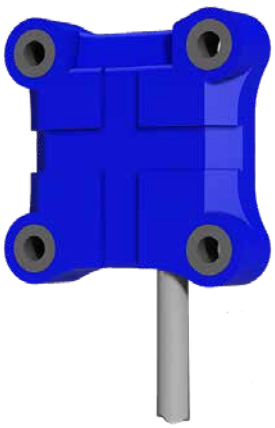


EASY MOUNT
Easy to install

50x20x5
Sensor
#KA8951

P3
Fully programmable
3 Output modes:
2x normally open, 2x normally closed, or anti-valent

34x34x5
P3: #KA8981
1 normally open and 1 normally closed outputs: #KA8957



34x34x8
Sensor
#KA1451

Capacitive
Sensor D30
#KA1147

SMALL ANALOGUE MEASUREMENT

For a wide range of applications

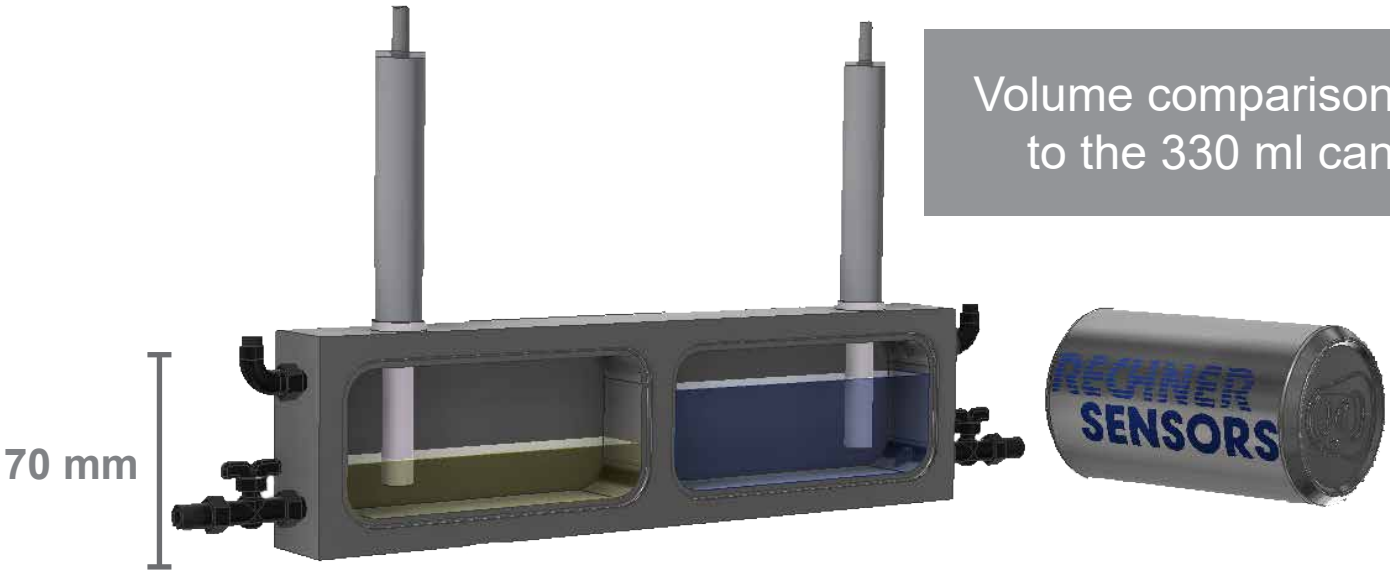
Small probe #KI0046

analogue capacitive measurement

Small installation space
Small containers

Small probe #KI0125

Volume comparison to the 330 ml can



This brochure is an in-house design.
The concept, layout, and text are all designed and produced in-house.
To be continued.

Like our sensors.

Rechner Print 11/2023

Every product from the company Rechner Sensors bears the CE mark according to EU regulation 765/2008.

Devices that are RoHS compliant are devices that comply with the EU Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

ATEX is the abbreviation for "ATmosphère EXplosive". ATEX certified devices are certified according to the ATEX product directive 2014/34/EU and the European standards for **explosion protection.**

Devices certified according to IECEx can be used internationally in explosive-endangered areas.

ETL Listed is a **security seal** of approval for the **North American** market. These devices are tested, certified and produced in accordance with UL / CSA safety standards and requirements.

Sensors with this logo are allowed to come into **contact with food** according to the Regulation (EC) No. 1935/2004.

The EHEDG certification is based on **hygienic construction and design,** as well as materials to guarantee the hygienic handling and processing of food and thereby supports the EC **food guidelines**.

IO-Link is the first globally standardized **IO technology** for communicating with sensors and actuators. IO-Link is the evolutionary further development of the previous, tried and tested connection technology for sensors and actuators.

Within the **United Kingdom,** the **UKCA marking** is **mandatory** for technical products. The marking must be checked by the **manufacture**r and/ or a **named body** based in the UK for complicance with the relevant regulations. After testing, a **declaration of conformity** is issued.

The **China Compulsory Certificate** (CCC) is a **certification system** for the **standardisation** of product quality for equipment placed on the market in **China**. Certification by Chinese certifiers is mandatory for equipment in potentially **explosive atmospheres.**

The **Water Resources Protection Act** (WHG) regulates the **protection** and **use** of **groundwater** and **surface waters**, e.g. rivers, lakes, seas, etc. It is a **german national law.**

RECHNER

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rechner-sensors.com

Family business since 1965