

60
Jahre
Years

RECHNER SENSORS HIGHLIGHTS 2025

custom made
level control
for your industry



FAMILY BUSINESS AT AN ADVANTAGE

FLEXIBILITY, QUALITY, DIVERSITY

Family is reliability - in the transition between generations lies the creative power that makes it possible to adapt to new circumstances.

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

Family is versatile - in our family business, managers are directly involved in the business. This closeness creates a strong sense of responsibility that extends far beyond our own family: our responsibility extends not only to our employees, but also to our customers and suppliers.

Family is sustainable - because families think across generations and are naturally orientated towards permanence and longevity.

Success is a family affair.



DR. ING. ARMIN KOHLER
CEO, MANAGING PARTNER

APPRECIATING VALUES

Practised sustainability in every area

„SIMPLY START - WE LIVE IT“

Dr. Ing. Armin Kohler, CEO, Managing Partner

Start small:

- Bee colonies on the company's own premises
- For 15 years: Roof surfaces for solar power

Think long-term

- Development of durable, high-quality sensors to conserve resources
- *Made in Germany* – From the idea to the finished product. Our entire value chain is based in southern Hesse. This not only guarantees a high level of availability and safety, but also symbolises our social responsibility and our commitment to sustainable, regional production.

Local support:

- Planting of trees
- Protect primeval forest (beech forest)
- Investing in development and the future with school and sports projects

Making a big difference:

- In 2025, we will produce more electricity than we consume ourselves
- By producing green electricity on site, we are pursuing the best way to become a climate-positive company



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



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 1,5 to 80.



Setting with empty container:

No filling material necessary

No readjustment

One setting for all media



Technical Facts:

Capacitive

Analogue
Level Control

4...20 mA
0...10 V

Automatic adjustment

Level probes
#KI0231
#KI0234





METAL ROD PROBE

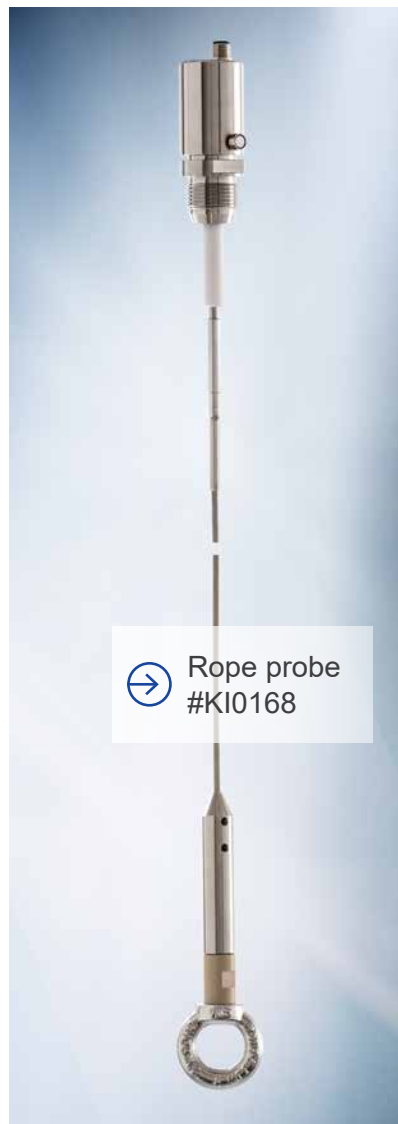
Use under extreme process conditions

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

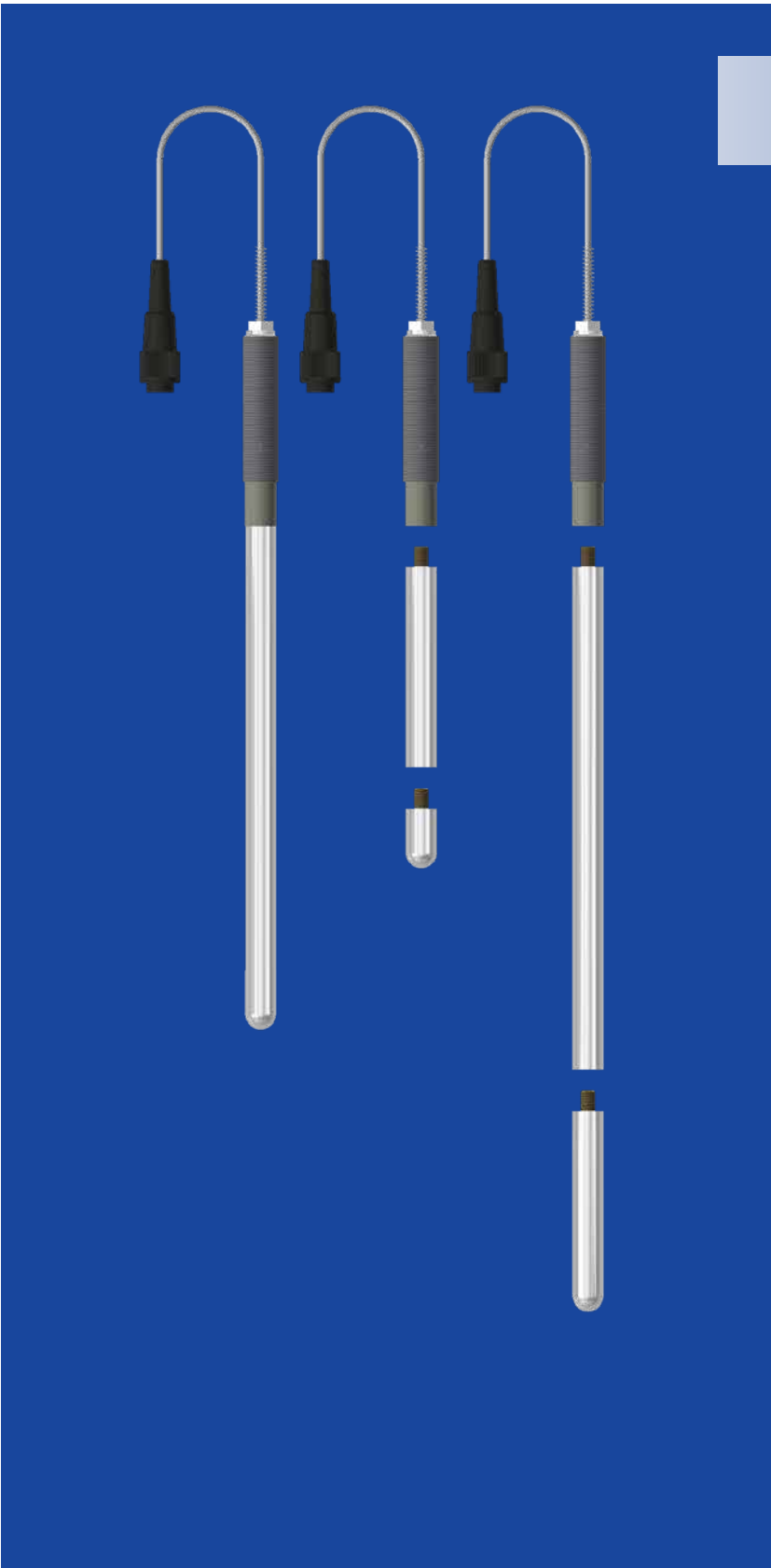
+ with rope



THE FLEXIBLE PROBE

The probe that grows with your requirements

Thanks to screw-on and interchangeable measuring elements, it can be quickly adapted in length and material properties and thus offers maximum flexibility for a wide range of level applications.



← Probe
#LS0306
#LS0307

Suitable evaluator
#LA0111 →

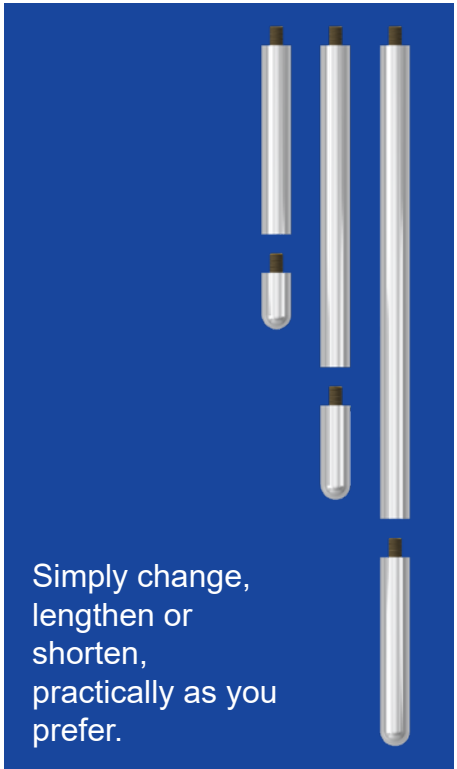


Technical Facts:

- Active zone with non-stick coating
- 10...250 °C
- Limit + analogue measurement

Modular design for customised length adjustment

Level monitoring of non-conductive media



Simply change, lengthen or shorten, practically as you prefer.

NEW

200°C
KA1743



CUSTOMIZED

We develop for you - customised according to your wishes! Our solutions are customised and tailored to your specific requirements.



Customized capacitive sensor
Drying of plastics 200°C
#KA1743



Development department in our company

An in-house development department offers numerous advantages, especially when it comes to developing a customised sensor *made for you*:

1. Customised adaptations
2. Faster communication and efficiency
3. Higher quality control
4. Innovative strength and flexibility
5. Confidentiality and protection of know-how

SENSORS MADE FOR YOU



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 (EG) 1935/2004

Our sensors are both FDA-approved and compliant with Regulation (EC) 1935/2004 and are therefore particularly suitable for applications where the highest safety and hygiene standards are required.



→ Capacitive
M12 Sensor
#KA1693



→ Capacitive
Sensor D50
#KA1717

PEEK
FDA 21
CFR 177.2415
conform

RISK MANAGEMENT at its best

Batch ID? We go further!

Each of our appliances has an individual identification number. This means that we know exactly which employee manufactured, tested and packaged the appliance. Our traceability is seamless!

We make it possible!

We even know which customer each individual sensor was delivered to.

Best regards to your risk management!

PTFE
FDA 21
CFR 177.1550
conform



HYGIENIC DESIGN

Our design places the highest value on hygiene: smooth surfaces, minimalist shapes and easily accessible areas make cleaning easier and reduce the risk of contamination. In this way, we ensure that our products are both functional and hygienic - ideal for demanding environments where cleanliness is a top priority.



CHEMISTRY


Sensors for the chemical industry

Precision and reliability under extreme conditions



→ Capacitive Sensor #KA0343 



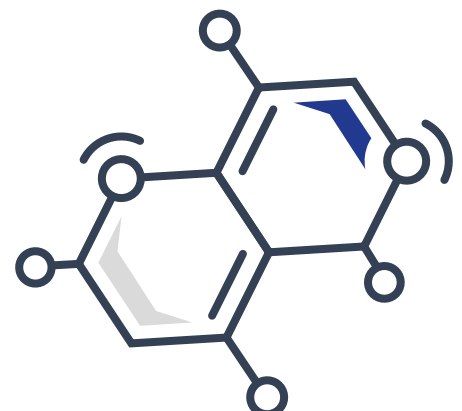
→ Capacitive Sensor #KA0390 

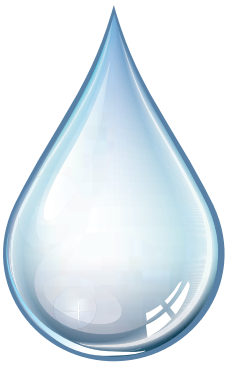


→ Capacitive Sensor #813100



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.





LEAKAGE SENSOR WITH TiltGuard® AND WHG

NEW

Our leakage sensor with TiltGuard®-technology and WHG approval (Water Resources Act) was specially developed to detect leaks at an early stage and thus ensure the protection of water bodies.

Leakage 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 overflowing.



LEAK
Sensor
#KA1544



Capacitive
Paddle-Sensor
#KA1237

NEW PATENT



TiltGuard®

Tilt protection
=
Integrated monitoring of
the mounting position

Reliable
leakage control!



EX PROTECTION FOR GAS AND DUST

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

100 % FINAL CHECK – EACH SENSOR TESTED INDIVIDUALLY

We prioritise the highest quality and therefore carry out a comprehensive final test on every single sensor. Instead of relying on random samples or statistical methods, we test each sensor individually to ensure that it meets our strict standards. In this way, we guarantee maximum reliability and safety for your applications.

* 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



Capacitive
M32 Sensor
#KA0819




Capacitive
M12 Sensor
#KA1564



Level probe
#KF0602




Sensors for every  ATEX Zone available




SIL 2 Safe medication

Our products, which fulfil SIL2 certification, not only guarantee the highest safety standards, but also optimal hygiene and reproducible quality, which are crucial for the production of safe medicines.



→ Capacitive
M32 Sensor
#KA1719 



→ Capacitive
Sensor
#KA0869 

CIP
Clean in Place

Clean
constructed



→ Capacitive
M18 Sensor
#KA1283





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 chemical 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



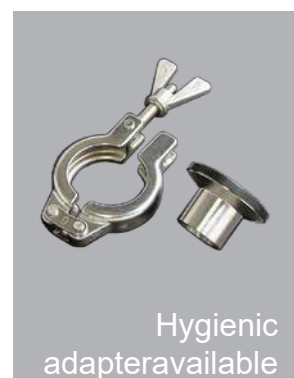
Capacitive
Sensor
#KA0829



Perfect
cleanability



Capacitive
M8 Sensor
#KA1543



Hygienic
adapter available



PLASTICS

Sensors for the plastics industry



Ceramic
M32 Sensor
#KA1220



Capacitive
M30 Sensor
#KA1312



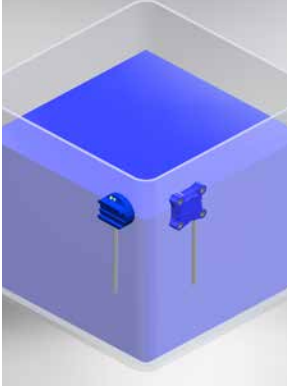
Capacitive
probe
#KF0099



Capacitive
M18 Sensor
#KA1259



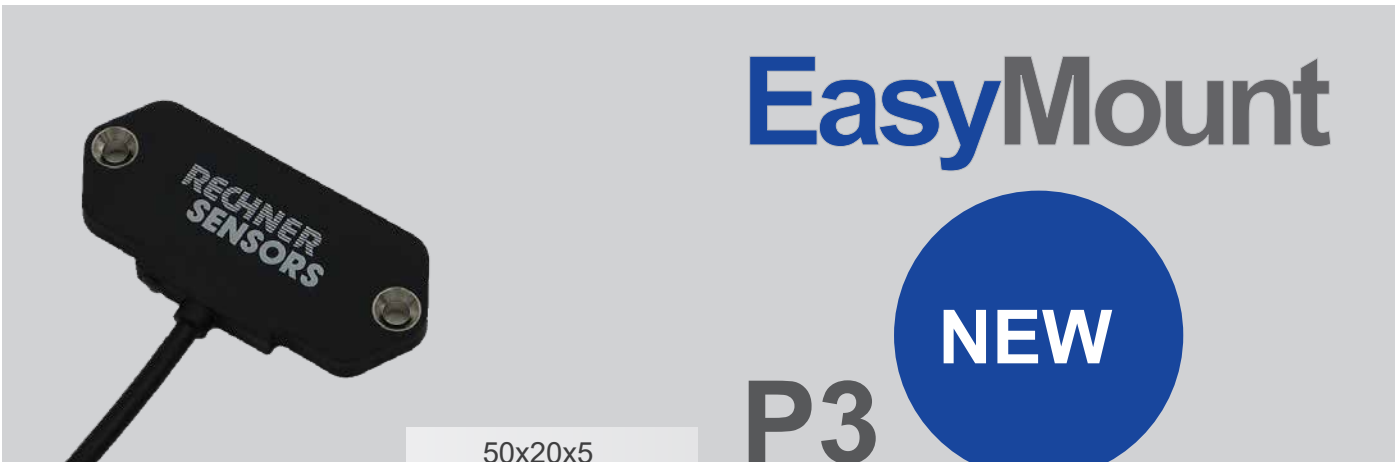
Capacitive
M32 Sensor
#818159



COMPACT INSTALLATION SOLUTION

- Perfect for small installation spaces

Our sensors are specially designed for applications with limited space. The compact design enables easy mounting even in tight installation spaces and offers full performance and reliability. Ideal for applications where every millimetre counts.



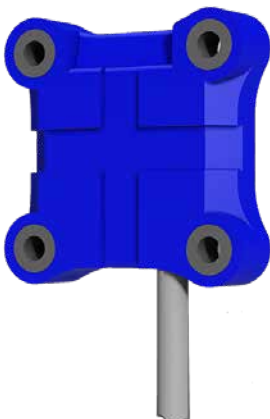
→ 50x20x5
Sensor
#KA8951

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



→ 34x34x5
P3
KA8981

→ 34x34x5
1 normally open and 1 normally closed outputs:
#KA8957



→ 34x34x8
Sensor
#KA1451



→ Capacitive
Sensor D30
#KA1147



IO-LINK Technology

IO-Link technology is the first globally standardised IO technology for bidirectional communication with sensors and actuators, which enables simple integration, real-time data transmission and comprehensive diagnostic functions.



LevelMaster
IO-LINK
#KA1611



Capacitive Sensor
IO-Link
#KA1590



Accessories
IO-Link MASTER
IOLM01



Many variants
available
with IO-Link

#KA1533, #KA1534,
#KA1589, #KA1603,
#KA1612, #KA1619...



SMALL ANALOGUE MEASUREMENT

Versatile solutions for a wide range of applications

Our small analogue measuring devices offer tailor-made solutions for a wide range of applications. They are characterised by their flexibility and adaptability and enable effective use in a wide range of industries.



Capacitive
Probe
#KI0046

analogue capacitive
measurement

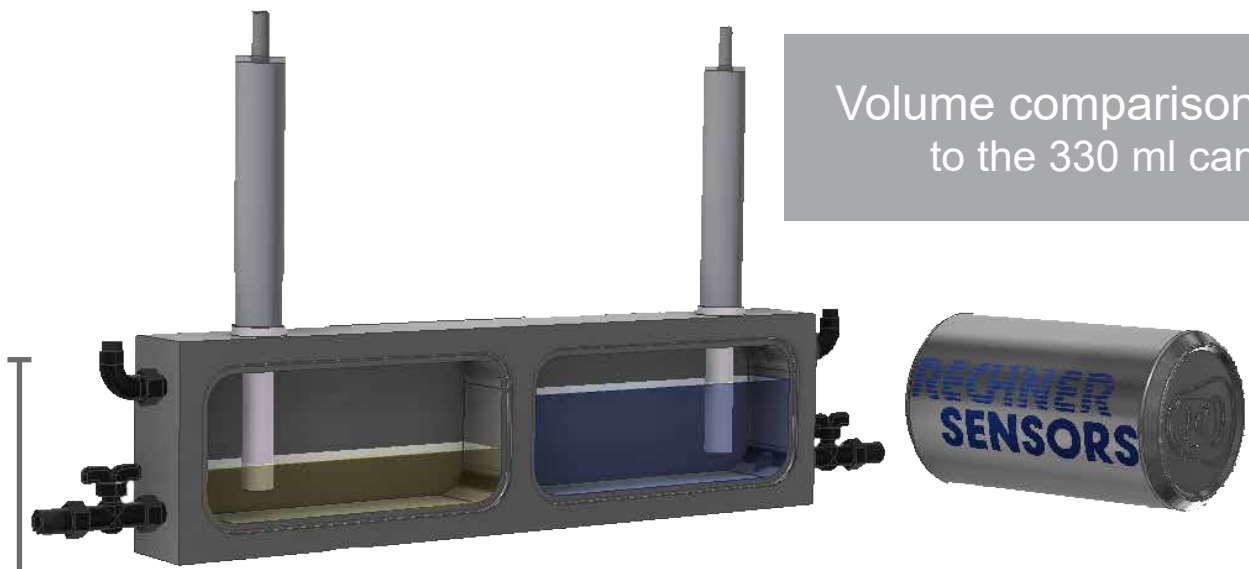
Small installation space
Small containers



Capacitive
Probe
#KI0125

Volume comparison
to the 330 ml can

70 mm







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



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



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.



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.



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.



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.



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.

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

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rechner-sensors.com

Family business since 1965