



# Sensor adapters, housings and accessories



## About EXNER



### PREMIUM SENSOR HOUSING TECHNOLOGY FROM EXPERTS

Exner Process Equipment is your partner for fluid analysis. With more than 15 years of experience in developing and manufacturing innovative and customer-specific process holders, we're at home in the food and drinks industry just as much as in the chemical, pharmaceutical and energy industries.

Our practically-oriented retractable housings, control units and accessories have proven themselves in the toughest situations, and help to significantly reduce maintenance and processing costs.

See for yourself on the following pages!

### HIGH POTENTIAL FOR OPTIMIZED pH MEASUREMENT

In production processes which work with water, the pH value is an important variable. As using manual or integrated measurement set-ups can lead to considerable problems due to rapid contamination, using retractable housings gives good returns swiftly. Retractable housings don't just automate measuring stations, they also optimise the uptime, durability, and accuracy of the sensors in use.

Maintenance costs are minimised, and even the most difficult processing conditions can be handled reliably thanks to the patented washing chamber with a PTFE process seal in the EXtract process holder range.

When the EXmatic 470 control unit is combined with retractable housings from the EXtract range, you get a robust, easy-to-use, almost wear-free and, above all, tried-and-tested measuring system – reducing processing costs has never been so easy!



# PROBE HOUSINGS

Fixed or retractable, for all Ø12mm probes and sensors, hygienic solutions also available.

Exner Process Equipment is the specialist for pH process holders, and can be relied upon in all industries and for every application. Getting licences and certificates from EHEDG in the food industry or ATEX in the chemical industry is just as natural for us as the deployment of suitable processing connections and materials for each application.



Product Highlight

## EXtract 810M

EXtract 810M is a manual retractable sensor housing installed directly on process vessels or into piping. The rotary action drive unit is used to insert the sensor into the process medium and retract it back into the integral cleaning chamber. At each of its travel, a safety interlock prevents further movement without depression of an "insert" or "retract" button on the housing. The housing cannot be operated when no sensor is installed. EXtract 810M allows cleaning, rinsing and calibration of the installed sensor while the process is running.

# Improving measurability in your process



### EXstatic 312

Static sensor holder for permanent installation of Ø12mm/120mm-sensors on tanks or pipelines by hygienic process connections.



### EXstatic 315

Static sensor holder with 15° angled process connection for permanent installation of Ø12mm/120mm-sensors on tanks or pipelines.



### EXtract 810M

Manual retractable sensor housing installed directly on process vessels or into piping.



### EXtract 830M

Manual retractable holder made of stainless steel in hygienic design to be attached on process tanks or tubing.



### EXdip 910

Sensor housings designed for installation of sensors and electrodes into tanks, pits and open channels applications.



### EXtract 840M

Hand-operated retractable assembly with ball valve made of stainless steel for inline pH-measurement in pipes and vessels.



### EXstatic 340

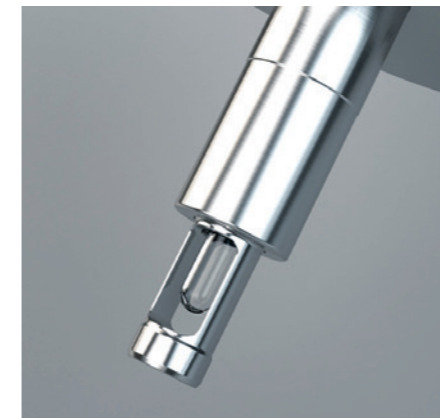
Static sensor holder made of stainless steel or plastics for permanent installation of Ø12mm/120mm-sensors in tanks or pipes.



### EXflow 720

Inline flow cells designed to locate sensors in static and retractable housings in perfect measurement position in flowing pipelines.

EXNER develops custom solutions – as individual as your processes!



### Your advantages

- » Robust design with integrated process scraper
- » Position locking system with indicators
- » Automatic safety lock while sensor is removed
- » Operates safely under high process pressures
- » Stainless steel AISI 316L / 1.4404 or Alloy C22
- » Choice of elastomer seal types
- » Immersion length up to 207mm
- » Suitable for use in hazardous areas
- » Wide variety of process connections
- » Up to 16 bar / 230 psi and 140°C / 285°F
- » Maintenance free rotary action drive unit



# PROBE HOUSINGS

Retractable, for all Ø12mm probes and sensors, hygienic solutions available.

The fully automated cleaning system EXmatic 470 with EXtract8XX ensures maximum sensor lifetime and superior measuring accuracy even in the most demanding applications and with minimum maintenance. Unlike manual measuring points, the automated systems allows for extremely high cleaning frequencies, thereby preventing dirt build-up on the measuring sensor. The sensor is protected very effectively even when exposed to aggressive process media.



## Product Highlight

# EXmatic 470

EXmatic 470 is an electro-pneumatic control unit for fully automatic control of pneumatic retractable housings of EXtract 8XX series. The integrated connection hose accommodates all control tubes and makes the installation very easy. The combination of the control unit EXmatic 470 and a retractable assembly of EXtract 8XX series ensures safe access to a sensor by driving it easily out of the process into the maintenance position and clean them fully-automatic with one or two rinsing solutions or even to take out the sensor for inspection, calibration or exchange. The cleaning intervals as well as additional functions can be programmed very easily. Output contacts can be connected to a DCS system for external start and monitoring. It is an open and autonomous system and does not depend on any specific sensor transmitter.



### EXtract 810

Retractable holder to be attached on process tanks or tubing. High variation of process connections and sealing materials.



### EXtract 811

Retractable holder to be attached on process tanks or tubing with an extended immersion length up to 207mm.



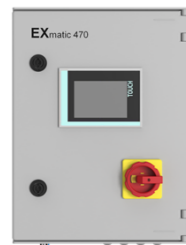
### EXtract 820

Holder to be attached on process tanks or tubing. The drive unit inserts the Sensor into the medium and back into the cleaning chamber.



### EXtract 821

Retractable holder made of plastics to be attached on process tanks or tubing with an extended immersion length up to 207mm.



### EXmatic 470

Electro-pneumatic control unit for fully automatic control of pneumatic retractable housings of EXtract 8XX series.



### EXflow 710

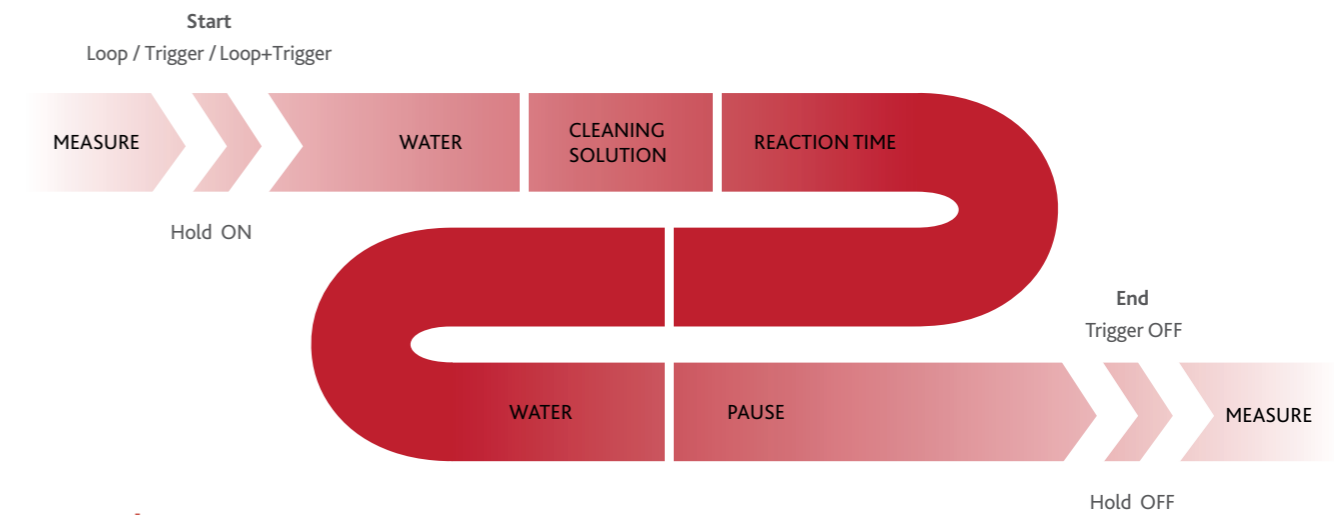
The flow-through vessel is an exactly matching accessory for retractable fittings. Especially designed for the retractable housings.



### EXconnect

A convenient color coded pneumatic tube bundle for foolproof connectivity to EXtract retractable housings and cleaning valves.

# Cleaning cycle



## Your advantages

- » Full automatic measuring point
- » High extension of sensor-lifetime and reducing of servicing efforts
- » Safe removal of the sensor under current process conditions
- » Operates with any kind of transmitter, open system
- » Three different cleaning solutions usable
- » Sealing water function
- » Pre- and post-cleaning function
- » Detection of holder position
- » Integrated connecting hose for plug and play operation

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