

wexon

TECHNICAL COMPONENTS FOR WATER TREATMENT





RELIABLE MEASUREMENT SOLUTIONS FOR WATER TREATMENT APPLICATIONS

The processes of water utilities and wastewater plants need to operate reliably and efficiently. Accurate measurement results help control and monitor the process. Therefore, high-quality components are crucial for ensuring safe processes.

Wexon is an experienced expert in the field of technical components and solutions. We represent many European manufacturers whose products are widely used in various applications around the world.

This brochure showcases products commonly used in water and wastewater treatment. The selected products are reliable and accurate and available with short delivery times.

The brochure will give you an overview of our wide product range to help you pick the best products for your needs. Our sales representatives will be happy to help you decide!

wexon.ee

PRESSURE TRANSMITTERS

TRAFAG FPT 8236 PRESSURE TRANSMITTER WITH FRONT DIAPHRAGM

The high-quality Trafag FPT 8236 pressure transmitters have a patented steel front membrane. They are ideal for applications which might contain solid or abrasive particles.

- ▶ Smooth and durable duplex steel front membrane
- ▶ Measuring ranges from 0...1 bar up to 100 bar
- ▶ Output signal: 4–20 mA
- ▶ Process connection: G $\frac{1}{2}$ "



TRAFAG ECL SERIES SUBMERSIBLE PRESSURE TRANSMITTERS

The ECL series submersible pressure transmitters are suitable for, e.g., measuring liquid levels in sewage wells and pumping stations. The sensor has a large ceramic front membrane that does not clog. We also offer models suitable for low-pressure ranges.

- ▶ Our stock includes 0–500 mbar/4–20 mA model with 10 m PUR cable
- ▶ Measuring range from 0...100 mbar up to 2 bar
- ▶ Output signal: 4–20 mA
- ▶ Case material: AISI316L
- ▶ Versions with the PE cable are also suitable for drinking water



TRAFAG ECT PRESSURE TRANSMITTERS

The accurate and reliable ECT pressure transmitter is perfect for measuring water pressure. The most popular type is the ECT10.0A, which has a pressure range from 0...10 bar and a 4–20 mA output signal.

- ▶ Measuring ranges from 0...100 mbar up to 100 bar
- ▶ Temperature range of the measured substance can be between -25...+125 °C
- ▶ Output signal: 4–20 mA
- ▶ Process connection: G $\frac{1}{4}$ "



FLOW METERS

PULSAR TTFM 6.1 ULTRASONIC FLOW METER



TTFM 6.1 is suitable for various “clean” liquids such as water, treated wastewater, chemicals, oils, fuels and water/glycol mixtures with up to 2% solids or gas bubble content. The flow meter can be attached to most common pipe materials. The sensors can easily be installed on the pipe surface without interrupting the process.

- ▶ Allowed substance temperatures from -40...+150 °C
- ▶ Measuring range (velocity) from +/- 0.02 m/s to 12.2 m/s
- ▶ Suitable pipe dimensions: 15–1200 mm
- ▶ Output signal: 4–20 mA, 2x switchable relay contacts and data logger
- ▶ Modbus output as additional option
- ▶ **This model is also available for liquids with a high solids content, e.g., sludge**

PULSAR AVFM 6.1 AREA VELOCITY FLOW METER



The AVFM 6.1 flowmeter is suitable for measuring the flow of water, wastewater and industrial wastewater. The device has a submersible ultrasonic sensor that measures the level and speed of the flowing liquid, and uses this to calculate the flow in the open channel or pipe.

- ▶ Output: 3 x 4–20 mA (flow rate, speed and level)
- ▶ 2 relay outputs for pulse output or alarm
- ▶ Datalogger with 6.5 million points
- ▶ Enclosure: IP66

PORTABLE PULSAR PTFM 6.1 ULTRASONIC FLOW METER



Durable PTFM 6.1 ultrasonic flow meter with a carrying case. The solution is suitable for various “clean” liquids such as water, treated wastewater, chemicals, oils, fuels and water/glycol mixtures with up to 2% solids or gas bubble content. The flowmeter can be adjusted for the application in just a few minutes.

- ▶ Measuring range from +/-0.03 m/s to 12.2 m/s
- ▶ Suitable pipe dimensions: 15–200 mm
- ▶ Enclosure: IP67
- ▶ Bright and clear color display
- ▶ USB-C port for charging (you can use a power bank for long-term measurements)
- ▶ 12.5 million data points, data logger with downloadable software for PC
- ▶ **This model is also available for liquids with high solids content, e.g., sludge**

WIDE RANGE OF MAGNETIC FLOW METERS



For example, accurate ISOMAG magnetic flow meters are suitable for measuring water, wastewater and different chemical substances. The comprehensive range includes flow meters suitable for pipe sizes from DN 3 to 3000. We also offer models with threaded and flanged connections.

- ▶ Compact models with integrated display or wall-mounted standalone display
- ▶ Battery-operated models with 4G mobile data connection
- ▶ Available with a certification for drinking water applications, MID certification on request
- ▶ We also offer models for high temperatures (max +180 °C)

LEVEL MEASUREMENT

PULSAR REFLECT™ – RADAR LEVEL MEASUREMENT SENSOR

Pulsar REFLECT™ level measurement radars are suitable for non-contact measurement of liquid and solid levels. They are highly resistant to dusty and humid conditions, as well as various chemicals. Pulsar REFLECT™ is easy to set up via Bluetooth in a browser-based application or via HART. With the app, you can effortlessly change parameters, view echo traces and trends, and more. Its easy-to-read LEDs indicate the device's status.

- ▶ Measuring range: 8 m or 20 m (depending on the model), can be adjusted for the needed range
- ▶ Measurement accuracy: 2 mm
- ▶ Output signal: 2-wire 4–20 mA (HART)
- ▶ Also suitable for potentially explosive environments (ATEX)
- ▶ Optional front-threaded model is also available and can be installed directly via the process connection of the tank



PULSAR DBI – ULTRASONIC LEVEL MEASUREMENT TRANSMITTER

Pulsar dBi is suitable for non-contact measurement of liquid and solid levels in wastewater applications, such as pumping stations and sewer networks, as well as in silos. Thanks to its fast booting and low power consumption, it is also suitable for battery-powered wireless applications. Pulsar dBi has advanced echo processing that allows it to be used in difficult applications with obstacles that interfere with measurement, such as in pipes and pumps.

- ▶ Measuring ranges: 3, 6, 10 or 15 m, can be adjusted to the desired measuring range
- ▶ Output signal: 4–20 mA (HART)
- ▶ Also suitable for potentially explosive atmospheres (ATEX)



SLUDGE LEVEL MEASUREMENT

PULSAR SLUDGE FINDER 2 – ULTRASONIC METER FOR MEASURING SLUDGE SETTLEMENTS IN TANKS

Pulsar Sludge Finder 2 measures sludge levels in settlement tanks. It is designed to be maintenance-free, as the self-cleaning transmitter part keeps the sensor surface clean. The device is easy to set up via a display and keypad (including PC software). It also has a HI-Floc alarm function to prevent emission overflow.

- ▶ Output signals: 2 x 4–20 mA (optional: Modbus or Profibus)
- ▶ 6 x SPDT contactors, for example for alarms
- ▶ Graphic display, programmable display options
- ▶ Distance between sensor and controller max. 200 m
- ▶ Surface measuring range: 300 mm – 10 m
- ▶ Easy to install and use



VALVES



BALL, BUTTERFLY AND KNIFE GATE VALVES

Ball, butterfly and knife gate valves can be used for a wide range of applications in various industries. Our wide range of valve types allows you to find the right component for different applications. Typical industrial applications include water treatment, heating and cooling, energy production, general industry, chemical industry, process industry, and oil and gas industry.

Ball valves

- ▶ I-way ball valves
- ▶ II-way ball valves
- ▶ III-way ball valves
- ▶ Weldable ball valves with short and long welding heads
- ▶ Flanged ball valves
- ▶ V-ball valves
- ▶ We also offer special valve materials, such as duplex

Butterfly valves

- ▶ Rubber-lined butterfly valves
- ▶ Teflon-lined butterfly valves
- ▶ Butterfly valves with metal seals
- ▶ Actuator-operated butterfly valves
- ▶ Eccentric butterfly valves

Knife gate valves

- ▶ Valve sizes: DN50–DN1200
- ▶ Wafer or lug type
- ▶ Housing: GGG40, AISI316
- ▶ Disc materials: AISI304, AISI316
- ▶ Seal materials: EPDM, NBR, FKM, PTFE, metal
- ▶ Manual, pneumatic, electrical, or hydraulic actuator types available



ACTUATORS FOR VALVES

We'll help you find suitable electrical and pneumatic actuators for ball valves. Our experts will help you choose the right product for assembly, whether it's a pneumatic actuator with limit switches or an electric actuator with necessary functions.

Actuators for valves

- ▶ Single or double-acting pneumatic actuators
- ▶ 3-position, models with limit switches
- ▶ Electric actuators
- ▶ Outputs include On/Off contacts, 4-20mA, or optionally 0-10V signal
- ▶ ATEX certified products available





wexon

50 YEARS OF EXPERIENCE

Founded in 1974, our family business remains a domestic, independent operator not affiliated with any chains. We specialize in the import and sale of technical components. Our extensive product range covers various sectors of process industry, industrial automation and measurement.

We operate throughout Finland, with offices in Helsinki, Turku, and Kuopio. Our Tallinn office serves customers in the Baltic countries. Wexon is part of the Wermundsen Group.

Address: Mustamäe tee 55, EE-10620 Tallinn, Estonia

Phone: +372 601 4202 | **Email:** wermundsen@wermundsen.ee



wexon.ee



50
1974
WERMUNDSEN

A Finnish family business since 1974.