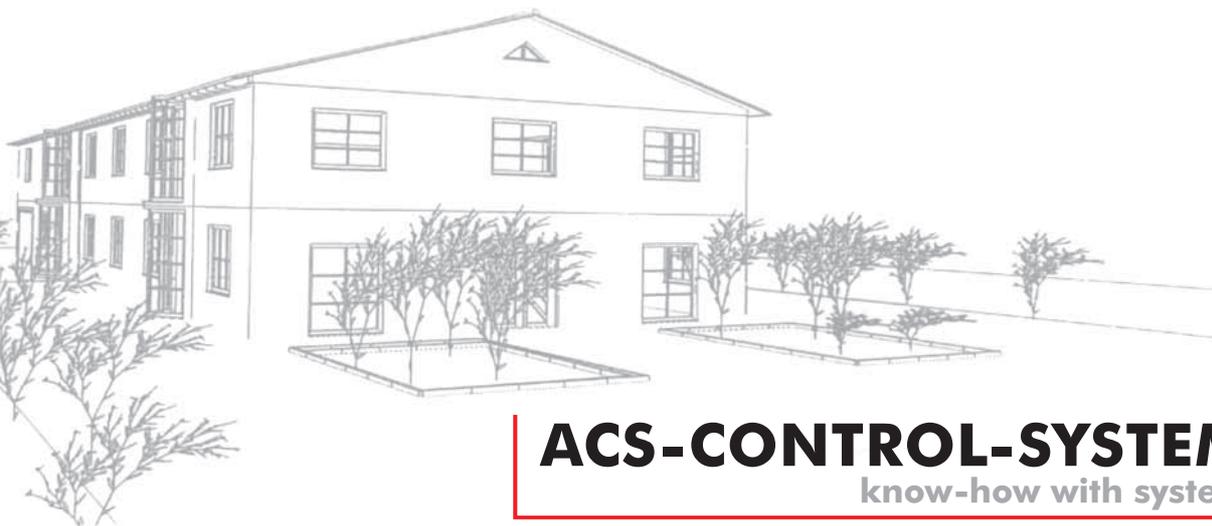




filling level water level pressure temperature flow registration visualization signal converter sensor



We let you look to the future



ACS-CONTROL-SYSTEM
know-how with system

Your partner for measuring technique and automation





Together we are strong

ACS-Control-System is a medium-sized company with nearly two decades of experience in measurement technique. This experience is the reliable basis for the development and production of filling level, pressure, temperature and flow sensors. The products meet the various requirements and are used under extreme conditions.

By the time we have adapted ourselves to the changing of the markets complex solutions in order to find the customer. Innovative measuring systems are developed and produced to satisfy with the special needs and requests of the customer.



Managing directors
Marianne and
Hermann Stümpfl

General informations:

founded in 1990
35 employees
20 sales partner worldwide
more than thousands of products



automatic placement
system

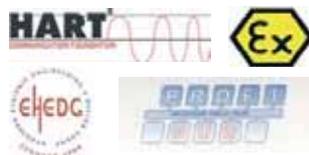


series Precont

Service

is the basic of our success!
All processes are done and logged as agreed according to our certification ISO 9001.
Our service includes among others:

- Installation (in cooperation with our partner companies)
- Inauguration
- Engineering's
- Training
- Maintenance
- Factory calibration
- Factory repair
- Customer service
- Rent out of devices
- Official certificates and factory certificates
- Online service



Austria Belgium Chile Denmark Germany Hungary Finland India Iran Italy Netherlands Norway Poland Switzerland Serbia and Montenegro Spain Turkey



wordlide

We are always open-minded for new sales partner

Beside the extensive know how in the divisions development and construction we have a long-standing experience in the realizing of special customer requests and the creation of solution concepts in industrial automation.

Products that are used in the fields measuring technique and control engineering are optimized continuously. ACS-Control-System GmbH in Germany guarantees the customers fast supplying and highest quality.

Due to our experience we are convinced to fulfill your individual requirements. With pleasure we provide our competence to you in order to commonly secure your economic success.



Always a step ahead





The filling level measuring technique in liquids and solids are one of the core competences of ACS-CONTROL-SYSTEM. Due to the variety of devices and the thought-out module system of the ACS devices it is possible to fulfill nearly all measuring tasks in all branches.

In use

Hydrocont D50 for hydrostatic filling level measuring in milk tanks.

Due to it's AKS system (anti-condensation-system) this sensor is especially suitable for the use in this condensed water conditioned very humidity environment.

Hydrostatic filling level measuring

Reliable, rugged filling level measuring using the hydrostatic pressure of the liquid column. From waste water to food applications in all variants and process connections possible.

Ultrasonic filling level measuring

For contact less measuring of liquids and solids. Due to modern technique adaptable to most difficult container styles and measuring tasks.

Radar measuring

The radar measuring is used if ultrasound comes to its limits like e.g. foam formation at the surface, gas forming liquids, high temperatures etc.

Conductive limit value detection

Approved simple measuring system for limit value detection or pump control etc. in conductive liquids.

Vibration limit switch for liquids and solids

Mechanics free, reliable limit switches.

Rotary wing limit switch

The classic limit switch for solids that is already used today in many applications.

Capacitive limit switch

Economical simple limit switch for liquids and solids.



Hydrocont®



In times of climatic changes autarchic operating water level measuring systems with high water and low water alarm functions gets more and more importance.



Data remote transmission module
GSM-1000



Water level sensor
Hydrolog-1000

Hydrolog



Hand-held terminal
AM-1000

configuration of the sensor
Software GM 600



status window
Software GM 600



Water level sensor with battery operation

Water level measuring with datalogger and battery operation for autarchic recording and saving of measuring values. Useable e.g. in rivers, lakes, ground water measuring points and also in containers where no power supply is available.

Data remote transmission with GSM/GPRS module

For transmission of the recorded measuring values to the operation center, to computer networks or directly to SPS controls.

Alarming with GSM module

Alarming per SMS at high resp. low water and also at transgression or underrun of temperature.

In use

Hydrolog 1000 with GSM module for record keeping and alarming in rivers at large german power station operators, for lake water level or ground water measurement.

The Sensor is used for record keeping the water levels for the responsible authority and is able to alarm the responsible staff per SMS in the case of high water simultaneously by using the GSM module.





No matter if relative, absolute or difference pressure, in the fields hydraulics, mechanical engineering, food industry, pharmacy or only for compressed air, ACS offers due to its variety of devices and the extensive Know-how in this field always the right system.

In use

Precont D40 with AKS system in a paper mill. The high environmental temperature combined with high air humidity and much dirt load caused a high failure rate of conventional pressure sensors. By the use of the Precont D40 the runtime of the pressure sensors could be increased considerably.



Standard pressure sensors

Pressure sensors with analogue and switching output, in 2-wire or 3-wire-technology, from strain gauge measuring element up to the capacitive ceramic measuring sensor, with or without display, from synthetic housing with plug up to a housing in high-grade steel with terminal box and with all common process connections.

Ex applications

Nearly all series are certificated for the use in explosive hazardous areas. The use for gas applications in Ex area 0 or 1 is possible as well as the use for dust applications in Ex area 20 or 21.

High temperature pressure sensors

Due to special pressure diaphragm seals it's possible to safe supervise processes up to 370°C.

Hygienic and pharmaceutical applications

For this division we offer special pressure sensors with EHEDG conform process connections, material certifications and highest precision.

Pressure switch

Electronic pressure switches with contactless optical keyboard and simple menu operation for fast and easy inauguration and operation.

Difference pressure sensors

Conceived for smallest difference pressures and highest precision.



Pressure transmitter
Precont S10



Pressure switch
Precont PL



Pressure switch
Precont PSM

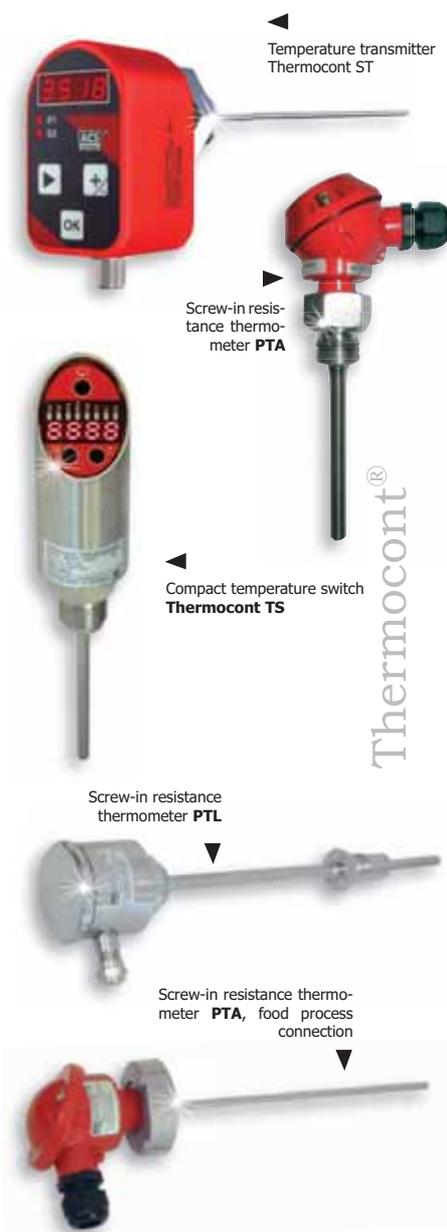


Pressure transmitter
Precont ECO

Precont®



Well equipped for all measuring tasks with the ACS temperature sensors and signal converters.



Temperature transmitter
Thermocont ST

Screw-in resistance thermometer
PTA

Compact temperature switch
Thermocont TS

Screw-in resistance thermometer
PTL

Screw-in resistance thermometer
PTA, food process connection

Standard screw-in resistance thermometer

Pt100 sensors in all dimensions and process connections.

Digital temperature sensors

Resistance thermometer with display, analogue and switching output. Devices with integrated self-supervision offer a maximum amount of safety.

Ex resistance thermometer

For measurement in explosive hazardous areas. The use for gas applications in Ex area 0 or 1 is possible as well as the use for dust applications in Ex area 20 or 21.

Hygienic and pharmaceutical applications

Screw-in sensors with hygienic process connections, touching type sensors with front flush weld-in sleeves and highly precise tube touching type sensors. Validateability, material check, self-supervision, highest precision.

Chemical resistant sensor

Acid and lye resistant resistance thermometer made of special materials or with high-quality coating.

Stab-in and dive-in resistance thermometer

Pt100 sensors in various styles with fix connected cable.

Temperature signal converter

Signal converter for Pt100 and thermocouples for installation directly in the head of the sensor or in the control cubicle

In use

PTV sensor in a pipeline of a well-known pharmaceutical company.

The fast dead-space free installation without heat transferring paste makes the sensor ideal for this application. The easy validateability of the sensor, a requirement of the customer, could also be realized with this sensor.





Measure flow – uncomplicated and easy

In use

Flowcont F flange version in a wastewater treatment plant for flow measuring and quantity recording of sludge.

Flange versions, Flowcont F

Magnetic-inductive flow meter for the application in water and waste water economic. Many variants up to DN1000, Ex versions, compact and separated versions possible.

Hygienic versions, Flowcont L

Magnetic-inductive flow meter especially for food industry, with hygienic process connections and high-grade steel housing.

Flow measurement for partially filled pipes, Flowcont TGF

Magnetic-inductive flow meter useable for fully and partially filled pipelines.

Mass flow meter

This flow meters are used for non-conductive substances, that cannot be detected with a magnetic-inductive measuring system.

Floating object flow meter

The classic mechanical way of flow measurement. Versions with metallic or glass cone, only for display purposes, with limit switch or also with analogue output.



Flow meter
Flowcont F



Flow meter
Flowcont L

Flowcont®



Flow meter
Flowcont M





The interface between man to machine is very important for us at ACS. Due to this we offer a variety of display, evaluation and registration devices, where the attention is focused on good readability, easy operation and highest reliability.



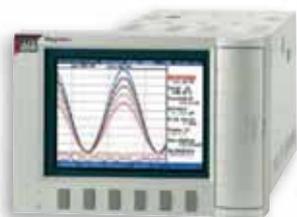
Evaluation device
DXM-400



Universal industrial
controller **MIR-491**



4 1/2- digit display
device **DAL-200 P**



Screen recorder
RCC-400

Display devices

From the simple 3 1/2 - digit panel device to devices with bar graph display and up to multifunctional display and evaluation devices with multiple channels and limit values.

Multifunctional, calculation and differentiating devices

Evaluation devices for illustration, calculation and linearization of more input channels.

Paper writer

Colour hybrid writer for registration of analogue measuring values and digital signals.

Screen recorder

Paperless recording devices for analogue and digital input channels, with calculating functions and remote alarm. Ideal devices for record keeping and certificating to authorities.

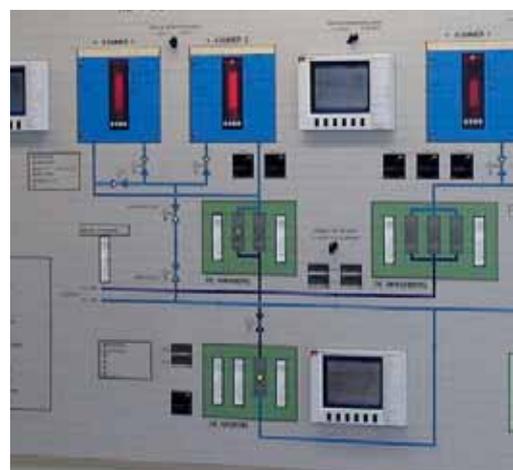
Industrial and process controller

Universal devices for temperature control, stove control, turbine control, frequency converter control, pressure control, ratio control, for measure out and mixing etc.

In use

DDM display devices and **Regicont** recorder in an operation panel in a municipal supply installation.

The **DDM** are used for fast visual illustration of the measuring values by bar graph and free adjustable digital display, while the **Regicont's** are responsible for the recording of the measuring values.





A good isolation amplifier is perceptible by not being perceptible at all. By using isolation amplifier and signal converter expensive control systems can be galvanically safe isolated to the field layer and by this protected against ground loops, over voltages etc. or various measuring signals can be also converted into standardized signals.

In use

TVA-120 isolation amplifier in a control cubicle for galvanic isolation of the analogue signals for a SPS input board.



Isolation amplifier active

Fix adjusted or multifunctional isolation amplifier with all-voltage power supply and sensor supply, with one or two channels.

Isolation amplifier passive

For galvanic safe isolation of analogue circuits, without auxiliary voltage.

Ex isolation amplifier

Isolation amplifier for supplying of sensors in an Ex area with galvanic isolation of the output signal.

Isolation barrier

Ex isolation barriers for various applications.

Limit value switch

For easy limit value generation of analogue or Pt100 signals. Easy adjustment by push-wheel buttons or LCD display.

Signal converter

Converter for Pt100, thermocouple, potentiometer or other analogue signals into standardized signals.

Over voltage protection

Protection components for signal and supply connections against over voltage and thunderstrike.



Double limit value switch
GWA



Isolation amplifier in Ex variant
ExTVA-500



Head transmitter
Transcont KTM



Universal isolation amplifier
TVA-200

Transcont®



The basic sensor technique, like inductive resp. capacitive approximation switches or optical sensors and safety light barriers are the most important basic components of the industrial automation today.



▲ Optoelectronic universal sensors **S50 series**



◀ Optoelectronic compact sensor **S90 standard**



Equipment for measurement and inspection **DS2 High Performance**



◀ Application referring optoelectronic sensors SRF standard hybrid light barriers

Optoelectronic sensors

Light sensor, reflecting light sensor, one-way, laser or frame light barriers, for detection of objects from very near to very wide distances.

Safety light barriers

Light barriers acc. to the regulations of the professional association, in front of dangerous machines and devices, where man can be hurt.

Dirt insensitive light barriers

Special light barriers for the use in very dirty and dusty environment where standard light barriers have a failure after a very short time.

Lightning wires with amplifier

Light barriers on glass fiber basis for measurements at difficult locations or installation places with very high temperature or vibration load.

Inductive sensors

Inductive approximation switches for contactless switch with metallic parts.

Capacitive sensors

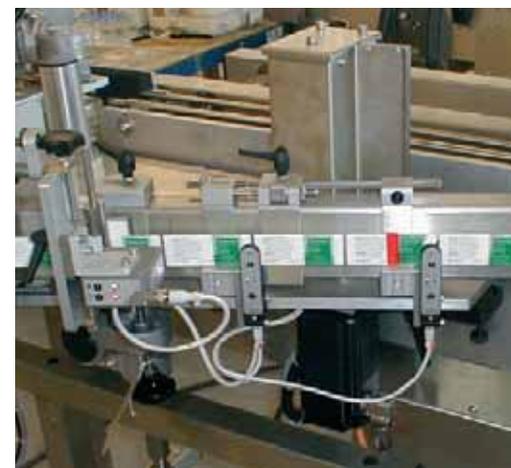
Contactless switches also for the detection of non-metallic parts.

Magnetic field sensors

Sensors are influenced by a magnet to allow very wide detection distances.

In use

Hybrid light barrier for detection of stickers and for positioning. Printing mark reader for check, if a production print is available.





ACS-CONTROL-SYSTEM
know-how with system

Your partner for measuring technique and automation



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