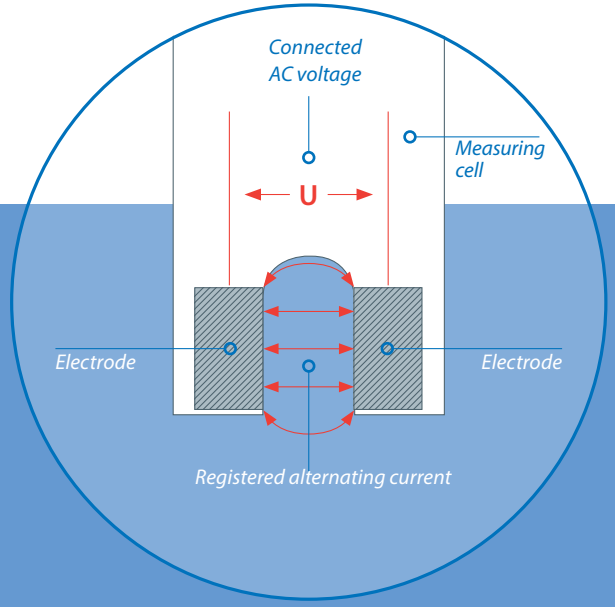
Analysis technology. Precise Industrial Water Monitoring.

The CONDIX conductive conductivity transducer determines the conductivity of liquids. The measured ohmic resistance provides information about the ion concentration in the electrolyte. The integrated transducer converts the signal into a digital process value. Further scaling in the superordinate system is not necessary.

Conductivity measurement principle

An AC voltage is connected to two electrodes for the measurement, wherein the measured current is a measurement for the specific conductivity.
With a 4-pin sensor, the voltage drop occurring in the medium is also evaluated.



Contact information.
Our customer service.

We would be glad to assist you with any questions about our CONDIX conductivity measuring transducers. This is especially the case if there is no clearly applicable solution in our standard assortment for your measuring task.

We look forward to your enquiry

+49 2191 9672-0

info@ghm-group.de

www.ghm-group.de/condix

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Specialists by Competence.

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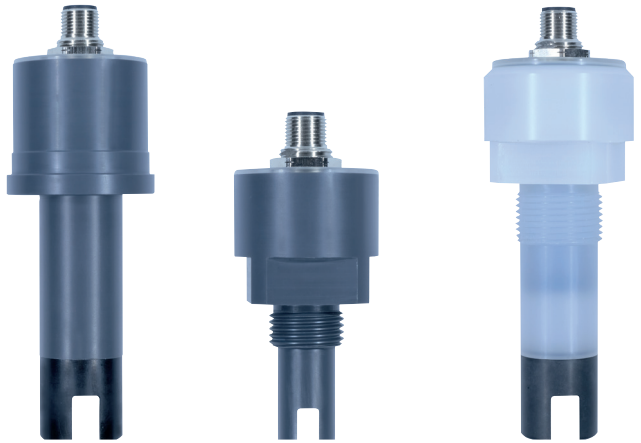
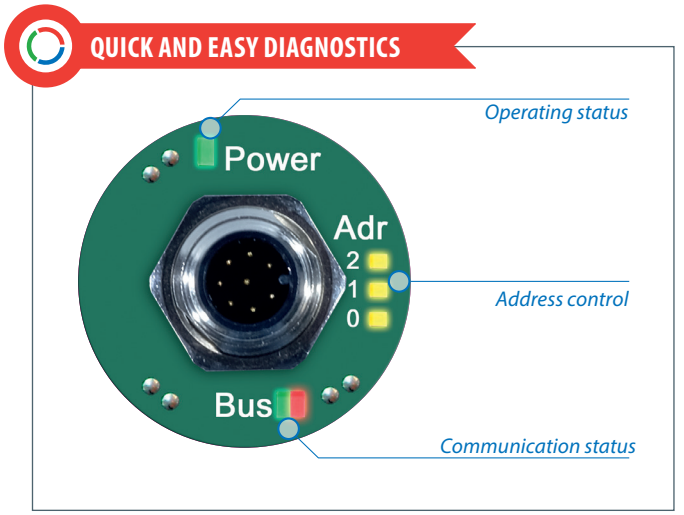
CONDIX conductive conductivity measuring transducer.
Digital. Compact. Affordable.

INDUSTRIAL-SENSORS
MEASURING TRANSDUCERS





CONDIX 4213 *CONDIX 4613* *CONDIX 4623* *Communication connection*

CONDIX. Easy to configure and use.

The universal Modbus interface enables convenient configuration and calibration of the measuring transducers. Installation takes place with standard fittings. Parameterisation prior to field installation can be carried out via PC tool at the work station.

Application areas

Typical fields of application are the monitoring of water preparation, reverse osmosis and ion exchanger systems, as well as in salt water and underground water preparation on ships, gas scrubbers and many other areas.

Affordable to install, maintain and operate

The sensor is integrated directly and digitally into the field bus level with the universal Modbus interface. With a single bus cable, all levels can be integrated into the superordinate system. Significantly less cable is used than with conventional conductivity measurement, which drastically reduces installation work. Installation takes place with standard fittings or pipe thread. The Modbus interface enables convenient configuration and calibration of the measuring transducers. Because the scaling and parameterisation are already stored in the CONDIX, any additional adaptation work in the superordinate system is eliminated.

Predictive maintenance for minimal downtimes

CONDIX provides Industry 4.0 functions that are useful for intelligent self-diagnosis, efficient maintenance, reduced downtime and a longer sensor life. With integration of the transforming electronics and the implementation of a digital interface, the sensor provides information about its status, such as the internal sensor voltage and additional device parameters in addition to conductivity and temperature measuring variables.

Advantages

- Compact all-in-one solution, robust technology in a compact design
- The measuring transducer is integrated in the sensor and has a direct connection to the SPS
- Less cable, less installation work
- All levels up to the PLC can be connected with only one bus cable
- The universal Modbus interface enables convenient configuration and calibration of the measuring transducer
- 4-electrode measuring cell: resistant to polarisation effects
- Predictable maintenance for reduced downtimes