



YOUR SPECIALIST FOR
SENSORS, MEASUREMENT
AND AUTOMATION



Your expert partner in sensors & controls

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ALTHEN
SENSORS & CONTROLS

ABOUT ALTHEN SENSORS & CONTROLS

Althen Sensors & Controls stands for pioneering measurement and sensor solutions. We accept every measurement challenge. We are constantly looking for innovation and are only satisfied when we have found the perfect solution for your measurement task. We develop customer-specific solutions in our in-house production facilities. Althen is partner to many recognized universities and leading organizations. We find ourselves in an intensive knowledge transfer, developing future technologies. Althen is one of the first companies in its branch with a certification by the German technical inspection association in Hessen (TÜV PROFICERT) in accordance with DIN EN ISO 9001:2008.

The right sensor and measurement technology solution for your requirements:

We at Althen draw on decades of experience to develop products ranging from standard and customised sensors to complete measuring systems for our customers.

Focus is always on benefitting the customer: so you get the best solution for your measurement requirements. Our product range covers all physical quantities and diverse technologies for measuring them.

Thanks to our lengthy experience, our technical know-how, our strong team of engineers with various professional backgrounds and our wide range of products we can offer the most efficient solutions for nearly all applications in all branches of industry.

Our team will be happy to advise you.

You can reach us by phone at +49 6195 70060 or by e-mail to sales@althen.de

A company of Broadporte Holding NV

Broadporte Holding NV was founded in 2001 in the Netherlands. The holding is active in various business areas with a focus on technology. 'A very different approach, with very different results' Further information can be found at: broadporte.com



MEASUREMENT & SENSOR TECHNOLOGY

bar

PRESSURE

Pressure sensors and transducers, with measurement ranges from 35 mbar to 12.000 bar. Differential-pressure transducers and transmitters for both, dry and wet applications. Capable of withstanding high system pressures while measuring low differential pressures

mm

DISPLACEMENT

Inductive and potentiometric displacement sensors and displacement transducers with measuring ranges from 0.125 mm to 600 mm, non-contact eddy current sensors

N

FORCE

Force sensors and load cells with ranges from 0,5 N to 1.500 t, 2-, 3- and 6-force/torque multi-axis transducer

α

ROTATION

Inductive and potentiometric angle-of-rotation sensors and rotary angle sensors with measuring ranges from 10 ° to 360 °

Nm

TORQUE

Torque sensors and measurement systems for reaction-torque and rotating applications with measurement ranges from 10 mNm to 13 kNm.



INDUSTRIAL JOYSTICKS

Precision control industrial Joysticks, trackballs, foot switches and other man-machine interfaces e.g. for Harvesters, medical equipment, ships And motion control

ϵ

STRAIN

Fiber-optic strain sensors, measuring ranges from $\pm 500 \mu\epsilon$ to $\pm 5,000 \mu\epsilon$, pressure-resistant version up to 300 bar possible, WLPI technology

$^{\circ}\text{C}$

TEMPERATURE

Fiber-optic temperature sensors, WLPI and GaAs technology, measuring ranges -40°C to $+250^{\circ}\text{C}$, temperature measurement and recording with different thermocouple types



INCLINATION

Inclination sensors and inclination measuring systems with measuring ranges from 1 ° to 360 °, analog and digital interfaces



AMPLIFIER

Displays, signal amplifiers and measuring systems for strain gauge sensors, inductive and potentiometric displacement and rotary angle sensors and vibration technology

g

ACCELERATION

Servo and MEMS-based accelerometers with measuring ranges from 0.5g to 5,000g



DATALOGGING

DAQ systems for PC-based data acquisition, data loggers and digital xy-recorders with USB and/or Ethernet interface

m/s^2

VIBRATION

Piezoceramic vibration sensors and vibration transducers with IEPE interface and frequency range as low as 0.05 Hz for vibration measurement and vibration analysis



AUTOMATION

Transmitters with bus interfaces and connections, load cells according to OIML, R60 and ATEX

$^{\circ}/\text{s}$

ANGULAR RATE

Oscillating structure circuits, MHD and MEMS rotational speed sensors with measuring ranges from 50 $^{\circ}/\text{s}$ to 10,000 $^{\circ}/\text{s}$



MEASUREMENT SOLUTIONS

Individual measuring systems according to customer, e.g. for vehicle test stands, Transport monitoring, rail movement etc.



ALTHEN SENSORS & CONTROLS

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