Inductive Height Level Sensor (IHLS)

Building on 25 years’ experience of designing and producing position sensors, AB Elektronik’s Inductive Height Level Sensor (IHLS) range is perfect for measurement of chassis angle in applications as diverse as headlamp levelling, air suspension and damper control.

The IHLS range is based on patented Autopad® technology, and uses a wear-free, contactless system to ensure consistent accuracy over the lifetime of the sensor. Autopad® technology is characterized by its immunity to magnetic fields and its high temperature stability and linearity. Accuracy is better than 1 %, providing precise and reliable measurements – under even the harshest environmental conditions.

AB Elektronik IHLS sensors are easy to integrate into automotive designs, offering optional application-specific connections and special product packages as required.

Special Features
• Contactless inductive technology
• High accuracy < 1 %
• High temperature stability and linearity
• Immunity to magnetic fields and electromagnetic pulses
• Resistance to water, heat and impact (e.g. from stones)
• Custom Zero (4 x 90°)
• 1 or 2 channel, analogue or digital output
• Flexible mounting angle and position
• Application-specific connections and packages available

Applications
• Headlight levelling
• Air suspension
• Damping control
• Brake booster

General Note This Fast Fact does not give any information on product availability. The information given is just meant to describe the product and is not to be considered as guaranteed characteristics in the legal sense. All products are subject to design changes in the interest of further technical development.

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