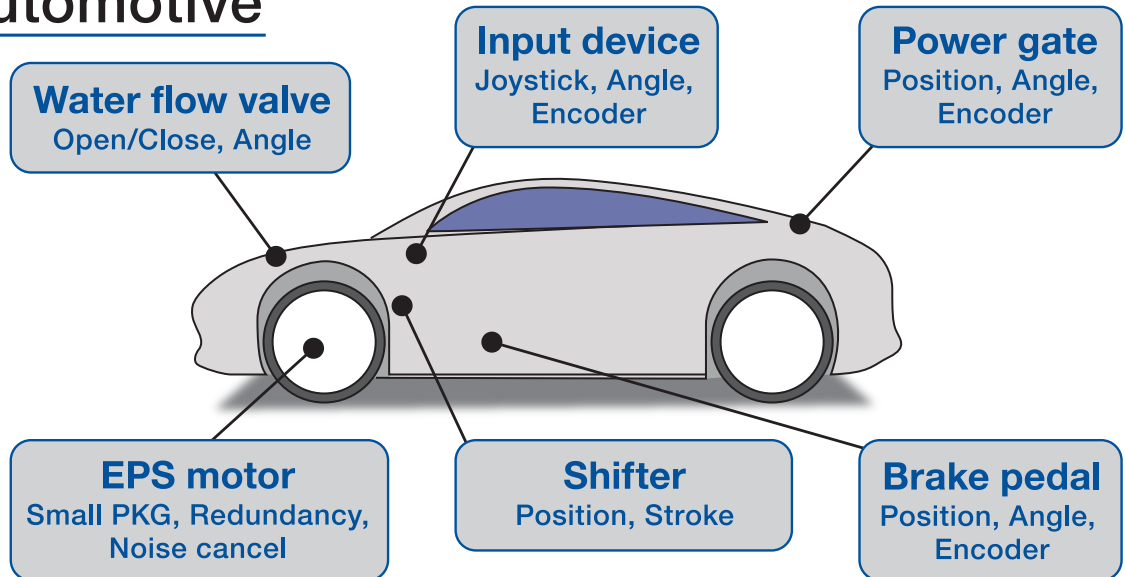


Magnetic Angle sensor

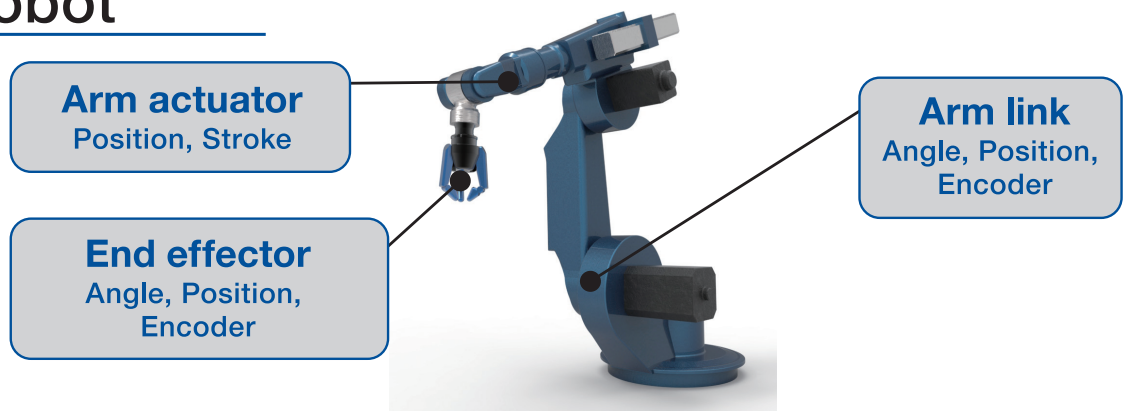
HGAR series

Application example

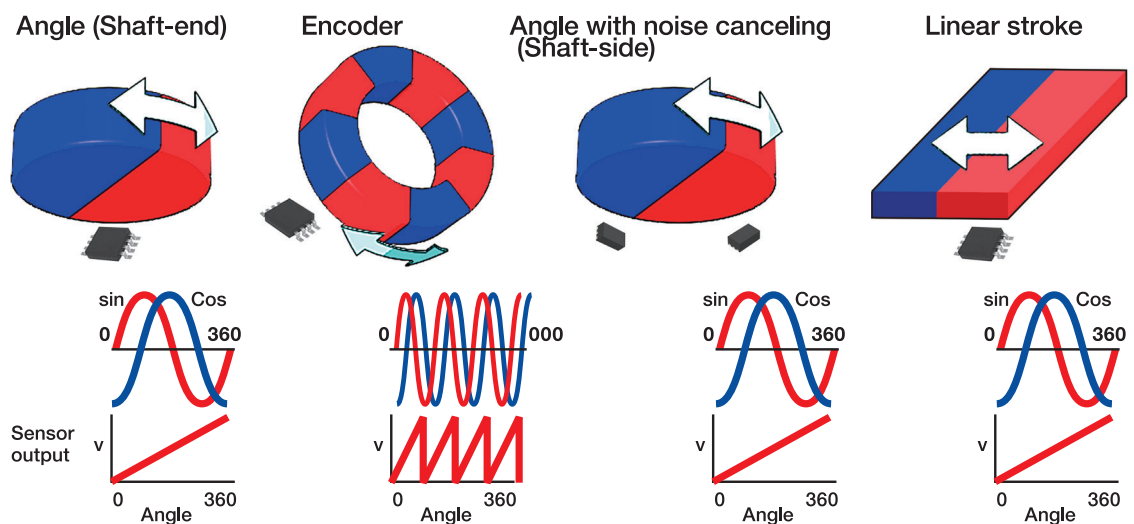
Automotive



Robot

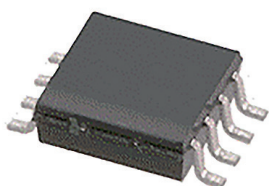


Various types of sensing are possible.



UVW,ABZ-phase

Variety



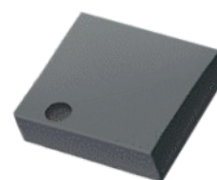
TSSOP
3.0×3.0mm



DFN
1.8×1.05mm



DFN
1.5×1.0mm



QFN
3.0×3.0mm

• HGARPS011A

Vdd: 3~5.5V

Output: +vSin/-Sin/+Cos/-Cos
with amplifier 3Vpp output

• HGARAN008A

w/o amp

Output: +Sin/-Sin/+Cos/-Cos

• HGARPS021A

(Under development)

Vdd: 3~5.5V

Output: +Sin/+Cos with amplifier
3Vpp output

Package: Small DFN

• Digital output sensor

(Under development)

Vdd: 3~5.5V

Output: SENT/SPI/PWM/Angle/
UVW,ABZ-phase

Features

• Small package, Layout flexibility

Enables compact design compared to resolver.

Magnet/Sensor layout can be either shaft-end and shaft-side.

• High accuracy

Very stable signal with GMR element.

• High reliability

Stable against dust/ mist/ temp/ strong magnetic field/ External magnetic noise.

• Technical support

Layout proposal for customer design.

Support from development stage.

Note: This specification is subject to change without notice.

More Information



Product/technology information (Alps Alpine website)

Magnetic Sensors | Sensors | Products Search | Products & Technologies | Alps Alpine

Email inquiries:

Inquiries about products and services | Products & Technologies | Alps Alpine



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