

Sensors for AGVs and AMRs | Robust - Precise



INDUCTIVE E-MOTOR ROTOR POSITION

Demodulated sine-cosine output / no converter needed
Immune to magnetic stray-fields
Compact alternative to resolvers

ASIL-D

STRAY-FIELD IMMUNE

UP TO 600,000 RPM

RARE-EARTH-FREE

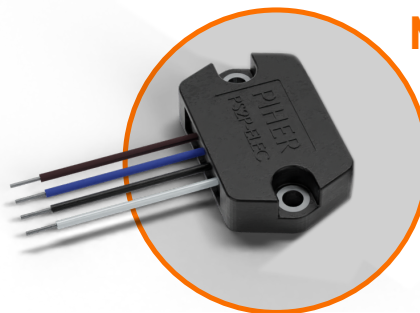


ROTARY MINIATURE HALL-EFFECT

Low-profile, space-saving design
Contactless 360° absolute position feedback
Durable design with overvoltage and reverse-voltage protection

360° ABSOLUTE

EOS / HOLLOW-SHAFT



MEMS MOTION SENSOR

For use in harsh environments
Reliable and wear-free MEMS technology
Dual axis gyroscope and accelerometer

ANALOG

CAN

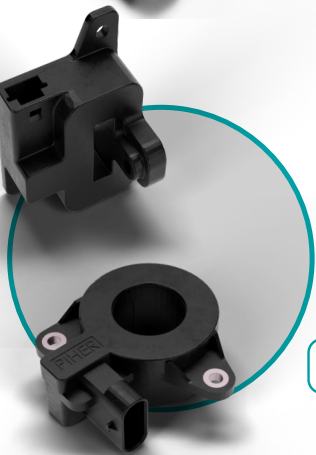


GEAR TOOTH SPEED AND DIRECTION

Fast and near zero speed sensing
Rugged against humidity and high vibration
Custom cable or connector interface

40 kHz A/B

IP67 / IP69K

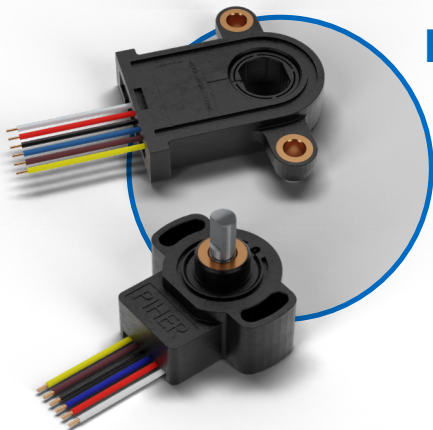


SINGLE-PHASE CURRENT

Busbar or wire-mounted open-loop sensor
Galvanic isolation between power and control
High accuracy and fast response

±25 A TO ±2,550 A

-40°C TO +125°C



ROTARY AND LINEAR HALL-EFFECT

Low-profile Hollow-Shaft design
Adapts to shaft eccentricity and mounting tolerances
Programmable switch output; shaft insertion from top or bottom

EOS / HOLLOW SHAFT

UP TO 32 TURNS



ROTARY AND LINEAR TOUCHLESS

Separate sensing element and magnet with virtually unlimited mechanical life
Truly touchless operation, no gears or bearings; compact fully sealed modules
Easy assembly with low sensitivity to radial and axial play

UP TO 800 mm

CONFIGURABLE OUTPUTS

UNLIMITED ROTATIONAL LIFE



AI-assisted application visuals

info@piher.net
sales@piher.net

