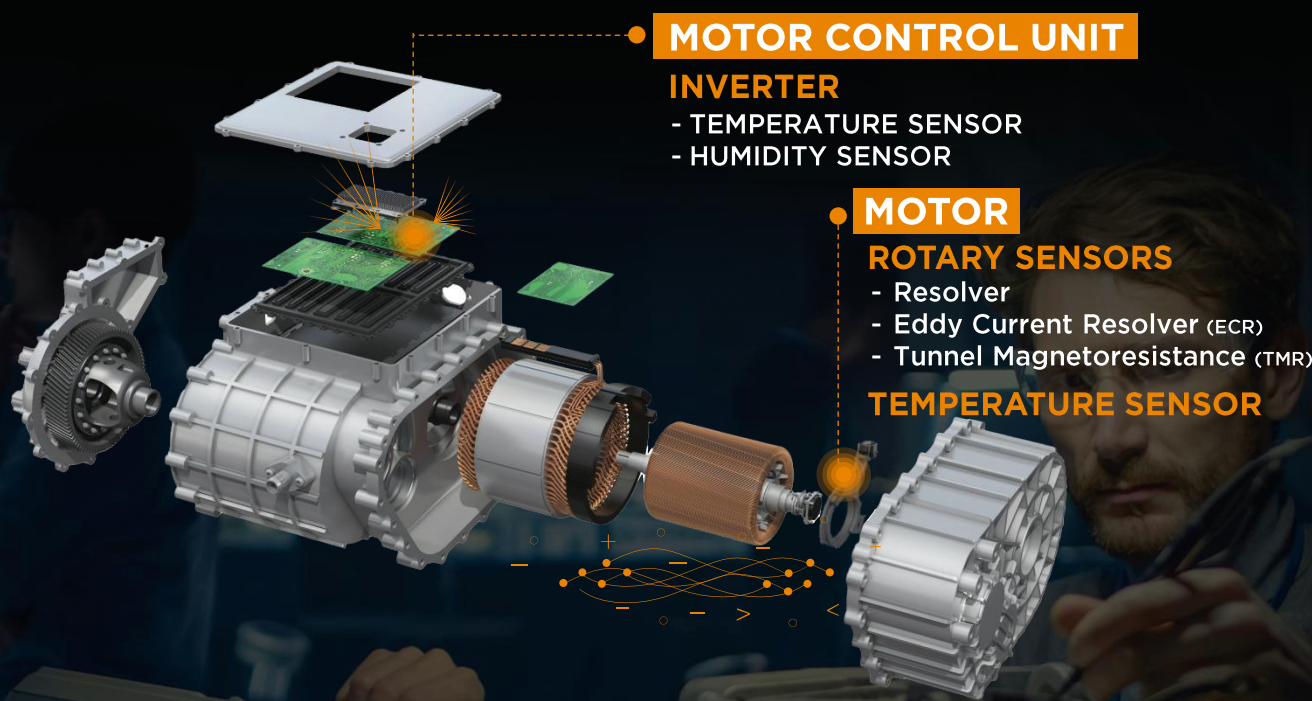


SENSOR SOLUTIONS FOR E-MOTOR

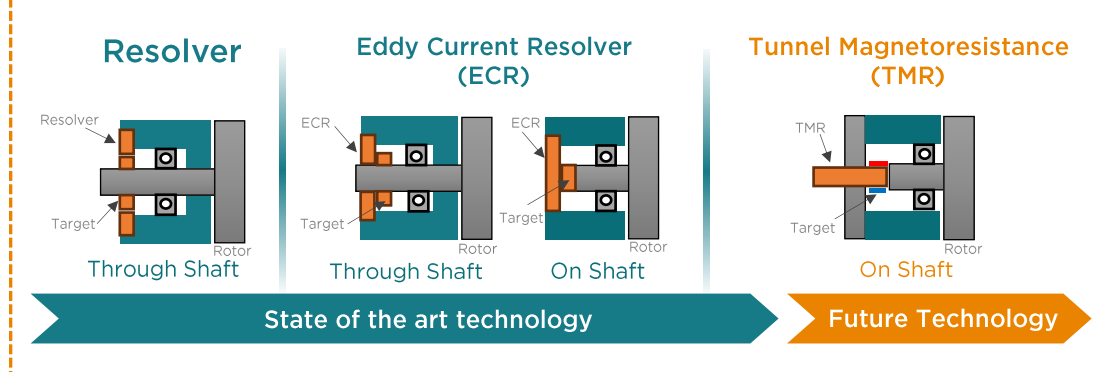
A strong track record of providing complete eMotor sensor solutions globally. Our commitment is to deliver not just parts, but a partnership that anticipates and solves for the complexities of eMotor development.



MOTOR

ROTARY SENSORS

TECHNOLOGY AVAILABLE IN THE MARKET



RESOLVER



Reliable and field proven technology
 Temperature range: -40°C up to +150°C
 High Accuracy: +/-1° electrical
 ASIL D on system level
 Oil or glycol compatible
 Specialized design support and manufacturing over the globe
 Combined design with temperature sensor possible
 Robust against external fields

Eddy Current Resolver (ECR)



Small size & Light weight
 Temperature range -40°C up to +150°C
 High Accuracy: +/-1° electrical
 Standard ASIL C, alternative ASIL D possible
 Application in oil possible
 Flexible design options, different variants for different shaft sizes and pole pair numbers possible
 Customized pigtail cable versions or integrated connector interface
 Standard analog output, digital also possible

Tunnel Magnetoresistance (TMR)



Miniature size & Light weight
 Temperature range -40°C up to +150°C
 High Accuracy: +/- 0.25° mechanical
 Standard ASIL C, alternative ASIL D possible
 Application in oil possible
 Vertical integrated solution

RESOLVER CUSTOMIZATIONS

Small	Medium	Large	Total Custom
SCR XX 02	SCR XX 05	SCR XX 08	SCR XX 13
SCR XX 03	SCR XX 07	SCR XX 12	SCR XX 15
			SCR XX 20

TEMPERATURE SENSOR



Wide Operating Temperature Range : -40°C to 200°C
 1% Accuracy at 100°C
 Fast Response Time
 Miniaturized Component Design
 Automotive qualified: AEC-Q200 Rev E
 Dissipation constant 1.3mW/C
 ATF Oil proof
 High Dielectric strength

MOTOR CONTROL UNIT

INVERTER

TEMPERATURE SENSOR



Ni1000

Automotive qualified according to AEC-Q-101
 Small SMD package SOT 23 for short step response
 Comply with former DIN 43760 standard Class B
 Good linearity between resistance and temperature
 Wide Temperature Range (-55°C to +160°C)
 Package MLS1 certified (Moisture Sensitivity Level in JEDEC J-STD-020)

HUMIDITY SENSOR



HTU31

Precise engineering
 Fast response time
 High performance
 Digital & analog versions
 Multiple I²C addresses
 Small footprint 2.5x2.5x0.9mm



Contact us

EVERY CONNECTION COUNTS