



ROTATIONAL ABSOLUTE INDUCTIVE ENCODERS

VERY HIGH ACCURACY, RESOLUTION, AND ROBUSTNESS

Adapted to high rotation speed
up to 10 000 rpm (and more on request)



Not sensitive to moisture and pollution



Entirely not sensitive to external magnetic fields
and large temperature ranges

From -40 °C up to 105 °C (except the RAIE027)

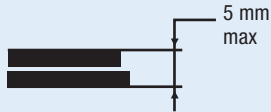


SAVE SPACE, SAVE WEIGHT

THICKNESS



5 mm max

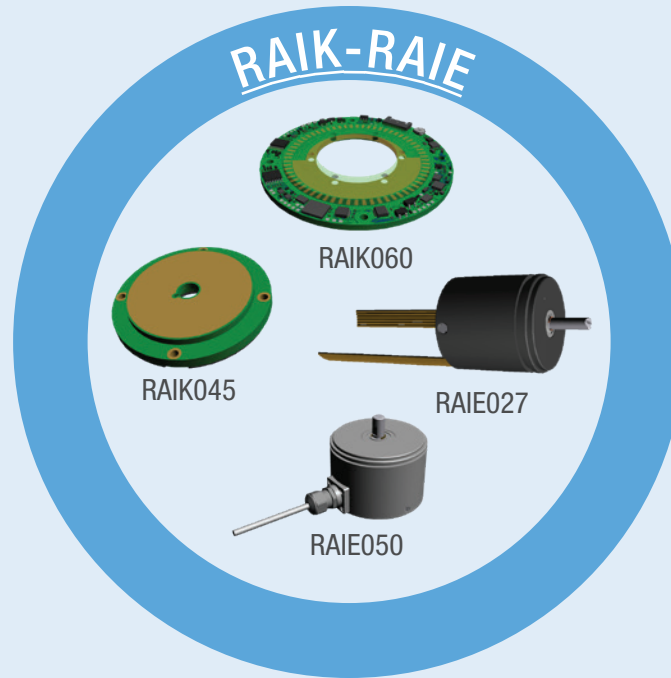


DIAMETER
60 mm

WEIGHT
RAIK060 < 15 g

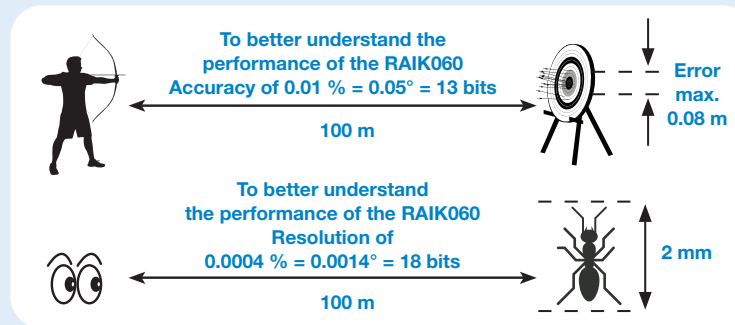
TOTALLY PLUG AND PLAY

Big capability to compensate assembly tolerances
Embedded self-calibration (RAIK060) and self-monitoring

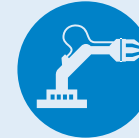


HIGH ACCURACY, VERY HIGH REPEATABILITY, HIGH RESOLUTION

Real / **Physical Resolution, Repeatability** ≥ 17 bits



APPLICATIONS



AUTOMATION



ACTUATORS



GIMBALL



COMMERCIAL AIRPLANES



EVTOL DRONES

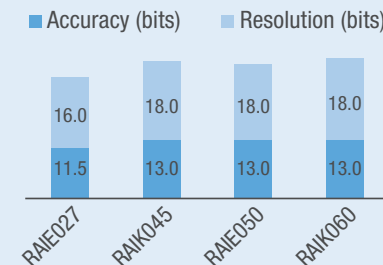


MEDICAL

CUSTOMIZATION

- KIT variant (RAIK) and body variant (RAIE)
- Output SPI, SSI, Biss-C, single turn, multi turns
- Redundant functions
- Dedicated variant with suitable design for civil aero standard DO160/178/254 compatibility for commercial airplane, eVTOL, and drones

PRODUCT PORTFOLIO



For technical questions: mcbprecisionpot@vishay.com

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