



ROTATIONAL ABSOLUTE INDUCTIVE ENCODERS

VERY HIGH ACCURACY, RESOLUTION, AND ROBUSTNESS

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

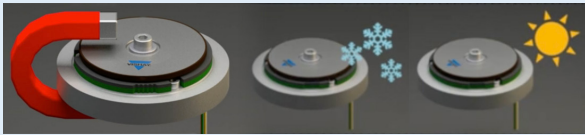


Not sensitive to moisture and pollution



Entirely insensitive to external magnetic fields
and large temperature ranges

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

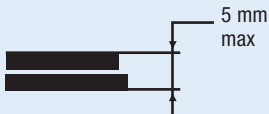


SAVE SPACE, SAVE WEIGHT

THICKNESS



5 mm max



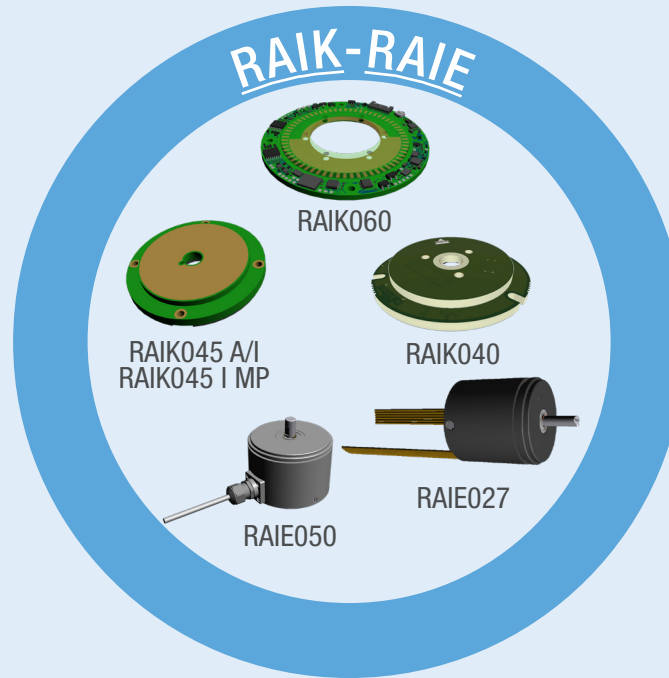
DIAMETER
60 mm

WEIGHT
RAIK060 < 15 g

TOTALLY PLUG AND PLAY

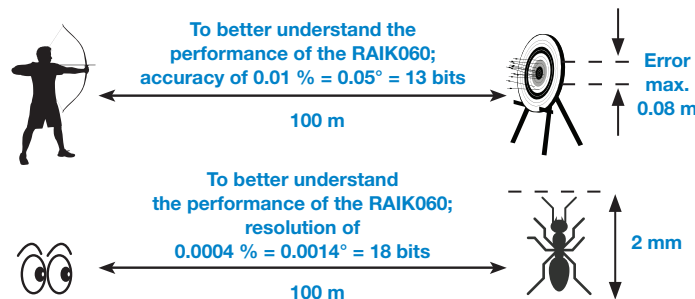
Highly capable of compensating for assembly tolerances

Embedded self-calibration (RAIK060) and self-monitoring



HIGH ACCURACY, VERY HIGH REPEATABILITY, HIGH RESOLUTION

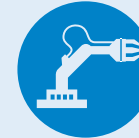
Real / Physical Resolution, Repeatability ≥ 17 Bits



For technical questions: mcprecisionpot@vishay.com

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APPLICATIONS



AUTOMATION



ACTUATORS



GIMBALS



COMMERCIAL AIRPLANES



EVTOL DRONES



MEDICAL

CUSTOMIZATION

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

PRODUCT PORTFOLIO

