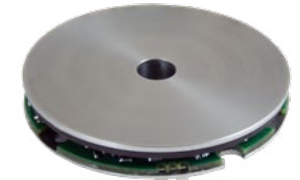




CAPABILITIES AND CUSTOM OPTIONS

MAGNETIC ENCODERS

Application Example			Advantage
For RAMK012 / RAMK016 : accuracy 10 bits (typical $\pm 0.35^\circ$) For kit diameter > 27 mm : accuracy from 13 bits (0.01 %) to 16 bits (0.002 %)			Very high accuracy position
Physical / real resolution: up to 20 bits (for RAMK090), up to 21 bits (for RAME033 / RAME037)			Allows a monotone mathematical function with a very small backlash ± 1 LSB, excellent repeatability
Plug and play			No needed calibration after mounting by the customer
Ultraflat (about 6.5 mm) and light weight (55 g) for the kit design (example of RAMK060)			High level of integration for the kit encoder
Not sensitive to moisture, pollution, or temperature			Operational in harsh conditions
Not sensitive to external magnetic fields			Operational in magnetic environments with high accuracy
Output variant: SPI, SSI, BiSS-C, single, or multi-turns For RAMK012 / RAMK016: SPI, SSI, BiSS-C, sine-cosine, A/B/Z (incremental)			Suitable to customer's device communication
Variant with same technology: GEN1 (10 kHz) / GEN2 (20 kHz)			Sampling rate adapted to the customer's device communication. The GEN2 allows a synchronous signal
Various diameters			From 12 mm to 90 mm
Design	Diameter or Size (mm)	Accuracy / Resolution (bits)	Series
Kit	12 16 (14 x 16)	10 bits / 14 bits	RAMK012 RAMK016
	27 33 40 60	13 bits / from 16 to 19 bits	RAMK027S / RAMK027 RAMK033 RAMK040 RAMK060
	90	16 bits / 20 bits	RAMK090
	12	11 bits / 14 bits	RAME012
	27	11 bits / 16 bits	RAME027I
Body	30	13 bits / 17 bits	RAME030
	33 37	15 bits / 21 bits	RAME033 RAME037
	44 58	13 bits / 17 bits	RAME044 RAME058



RAMK033



RAME033



RAMK090