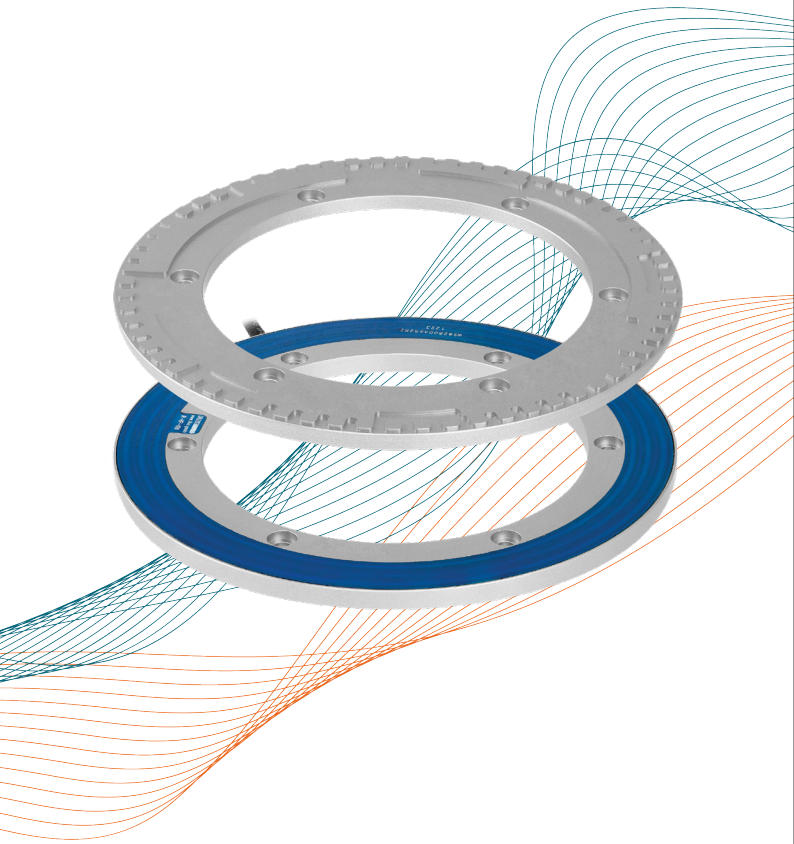


Inductive technology with maximized performance

IND-MAX Series



Engineered for real-time applications, IND-MAX encoders deliver superior position and speed sensing in the harshest environments.

IND-MAX inductive angle encoders provide robust, high-precision measurement in extreme environment applications across land, sea, and air. Unlike optical and capacitive technologies, which can become unreliable in harsh conditions, the IND-MAX encoder series is designed to deliver superior performance and durability, exceeding the limits of existing technologies.

IND-MAX encoders are available in sizes up to 375mm in diameter, feature a compact, low-profile design with a large bore and up to 23-bit resolution. Their robust housing and wide operating temperature range ensure high reliability even in harsh, high-shock environments.

Applications:

- + Underwater Exploration
- + Aerospace Surveillance
- + Satellite Communication
- + Spacecraft Operations
- + Naval Systems
- + Drone Control
- + Aerial Reconnaissance



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Model	Encoder Stator		Encoder Rotor		Thickness (in mm)	Resolution	Accuracy	IP grade	Mass
	OD (in mm)	ID (in mm)	minOD (in mm)	max ID (in mm)					
IND-MAX-125	125	75	125	75	10.95	21 bit	$\pm 0.007^\circ$ $\pm 025''$ $\pm 120 \mu\text{rad}$	IP67	140 g / 80 g
IND-MAX-160	160	110	160	110	10.95	22 bit	$\pm 0.005^\circ$ $\pm 018''$ $\pm 090 \mu\text{rad}$	IP67	180 g / 110 g
IND-MAX-180	180	130	180	130	10.95	22 bit	$\pm 0.007^\circ$ $\pm 025''$ $\pm 120 \mu\text{rad}$	IP67	200g / 110 g
IND-MAX-200	200	150	200	150	10.95	23 bit	$\pm 0.002^\circ$ $\pm 007''$ $\pm 035 \mu\text{rad}$	IP67	225 g / 140 g
IND-MAX-250	250	200	250	200	10.95	23 bit	$\pm 0.002^\circ$ $\pm 007''$ $\pm 035 \mu\text{rad}$	IP67	275 g / 165 g
IND-MAX-375	375	325	375	325	14.20	23 bit	$\pm 0.002^\circ$ $\pm 007''$ $\pm 035 \mu\text{rad}$	IP67	525 g / 375 g



Absolute and real-time position measurement



Encapsulated design for maximum environmental resilience (IP67)



Immunity to magnetic and electromagnetic interference



Easy installation: plug & play with no calibration required



Wide operating and mounting tolerances for flexible use



Extended temperature range, designed to operate reliably in sub-zero conditions