

Compactness

INDUCTIVE ROTARY Encoder

www.flux.gmbh

An absolute encoder of highest quality in the smallest possible size.

Featuring an ultra-light weight and flat design, the absolute INDUCTIVE ROTARY encoder is imperturbable that fits and operates wherever it is needed.

Its proprietary inductive FLUX technology features exceptional immunity to magnetic and electromagnetic interference, and can therefore be integrated directly into the smallest possible space.

Applications

- + Cobots & Robotic Joints
- + Medical Robots
- + Stabilized Platforms
- + UAV & Drones
- + Gimbals
- + Servo & BLDC Motors
- + Stepper Motors



Model	Encoder Stator		Encoder Rotor		Thickness	Resolution	Accuracy	Mass Stator/Rotor
	OD	ID	min OD	max ID				
IND-ROT-034	34 mm	9 mm	22 mm	8 mm	7.7 mm	17 bits / rev.	$\pm 0.050^\circ / \pm 90''$	3,5g / 5,5g
IND-ROT-045	45 mm	17 mm	32 mm	15 mm	7.7 mm	18 bits / rev.	$\pm 0.040^\circ / \pm 90''$	5g / 5,5g
IND-ROT-055	55 mm	26 mm	39 mm	25 mm	5.8 mm	19 bits / rev.	$\pm 0.025^\circ / \pm 90''$	7g / 7g
IND-ROT-069	69 mm	40 mm	53 mm	39 mm	5.8 mm	19 bits / rev.	$\pm 0.020^\circ / \pm 75''$	9g / 12g
IND-ROT-080	80 mm	51 mm	64 mm	50 mm	5.8 mm	20 bits / rev.	$\pm 0.018^\circ / \pm 65''$	10g / 14g
IND-ROT-096	96 mm	67 mm	80 mm	66 mm	5.8 mm	20 bits / rev.	$\pm 0.012^\circ / \pm 45''$	12g / 18g



Absolute hollow shaft



Lightweight (14 g in total)



Ultra-flat and narrow (thickness < 6mm)



Resistant to dust and electric + magnetic fields



Wide mounting tolerance



Frameless, without bearings



Plug-n-play: no field calibration



High Accuracy and Resolution