

INDUCTIVE ABSOLUTE



Zettlex
Inductive Encoders

IncOder[®] Series Encoders

Precision in the Extreme

Using an inductive technique, the non-contact IncOder Series is easy-to-install and enables precise and reliable absolute angle measurement, even in harsh environments.

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IncOder[®] Series Encoders

Precision in the Extreme



Robust and Easy to Install

Designed for easy integration into OEM assemblies, the low-profile IncOder Series is offered in a wide range of diameters with a large through hole for convenient routing of cables, optics, and other system elements.

The stator contains all of the electronics to receive power and output a signal, and the output signal shows the position of the rotor relative to the stator. Absolute feedback is a standard option, so no instrument motion is required at power up to determine position.

IncOders integrate easily alongside [Omni™ and Agility™ direct drive motors](#), and can be direct mounted without special couplings or high toleranced mounting features.

IncOders have a solid track record in demanding applications such as industrial machinery, medical devices, robot joints, gimbals, actuators, as well as camera and antenna positioning.

All models are compatible with a wide range of controllers and drives.

Benefits

- Non-contact technology for high reliability in extreme environments – where potentiometers, capacitive devices and other encoder types may prove unreliable
- Large through hole for convenient routing of cables, optics, plumbing and other system elements
- Easy integration into system design; Precisely machined mounting components or couplings not required
- Configurable with a variety of communication interfaces: Synchronous Serial, Asynchronous Serial, Serial Peripheral, Analog (sin/cos) Voltage, A/B/Z, BiSS-C
- Multiple connection options available
- Customizations and extended range options available
- Field Calibration IncOder option: maximize accuracy with in-situ calibration
- Multiturn option available

Specifications	Units	Mini Models	Midi Models
Size (stated as outside diameter):	mm	37, 58	75, 90, 100, 125, 150, 175, 200, 225, 250, 300
Resolution Options:	bits	up to 17	up to 22
Standard Mechanical Formats:	number	4	9
Voltage Options:	VDC	5, 12, 24	5, 12, 24

Actual product attributes are model and configuration specific. Standard and custom models are available within the representative ranges described above. Specifications subject to change.

RoHS
CE



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