



ACURO®-XR

Rugged, compact, reliable.



AR 62/63 magnetic absolute Encoder

- Single- and multiturn: Resolution up to 28 Bit
- Wearless electronic multi turn: contact- and batterieless, self-energetic
- 300 N axial and radial load
- 200 g shock resistance/ 20 g vibration resistance
- Submersible: Protection class up to IP69K
- High temperature range: -40 ... +100°C
- Compact design: 32 mm mounting depth
- Option: Stainless steel housing

The robust encoder for all environmental conditions!

The special features of the AR62/ 63 not only comprise its particularly rugged enclosure, but also generously dimensioned, rigid ball-bearings. Capable of withstanding even high axial and radial loads on its shaft axis, this encoder type easily achieves a mechanical life of 10 9 rotations at a permanent radial load of 200 N and simultaneously, an axial load of 200N.

The AR62/ 63 was designed to easily withstands highest accelerations, extreme climatic fluctuations and even underwater operation. In this way, our rugged absolute encoder is ideally suitable for applications in wind farms, marine or utility vehicle applications, as well as for use in presses or wood and stone processing machinery: applications where high resistance to harsh environments and maximum reliability are required at the same time.

The AR62 is electrically compatible with standard industrial drives. Available interfaces are SSI, BiSS, CANopen and Analogue (0 ... 10 V or 4 ... 20 mA).

Single turn resolution is 12 bit, i.e. one revolution (360°) is resolved into 4096 measuring steps. The AR62/23 comes with a breakthrough multiturn technology, that provides a unique set of advantages: it operates contact less, self energetic, without battery and moving parts. Standard multiturn resolution is 16 Bit.

With an installed depth of only 32 mm, this encoder is the most compact type in its class. Valuable space has been saved - to the benefit of the overall machinery design.

HENGSTLER

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HEAVY DUTY

Encoders for harsh environments.



Hengstler Heavy Duty

Resistant to harsh environments. Highly durable.

Hengstler offers a new series of incremental and absolute encoders in compact size that provide the ruggedness of big magnetic ring kit-encoders. Choose from a growing line of Heavy Duty encoders designed to provide reliable operation in harsh duty industrial applications that will not corrode and can withstand temperature extremes from -40°C to +100°C. Hengstler's Heavy Duty product line offers extreme shock and vibration resistance, special labyrinth sealing options on select models, hazardous environment ATEX certification as well as extreme corrosion and wash down resistant stainless and nickel plated models designed for the special application needs of the food and beverage industry among others.

Examples of applications for Heavy Duty encoders:

- wind power plants
- commercial solar plants
- oil field exploration - draw works - rough necks
- construction machinery
- utility vehicles/ trucks
- steel mills
- paper mills
- saw mills
- gantry cranes
- marine equipment
- offshore applications
- food & beverage
- filling plants
- paper processing
- converting machinery
- material handling
- your individual application

AR-Series	EEx-Series	Northstar-Series	RI100	HSD44
 <p>ACURO[®]-XR Robust</p>	 <p>ATEX </p>	 <p>NorthStar™</p>		 <p>NorthStar™</p>
Absolute Heavy Duty	Explosion proof incremental and absolute	Extreme robust Hollow and Solid Shaft Incremental Encoders	Heavy Duty Incremental – disruptive voltage up to 2,5 kV	Harsh Duty Incremental – Flexible shaft coupling
<ul style="list-style-type: none"> ■ Single -and multturn: Resolution up to 28 Bit ■ Interfaces: SSI, BiSS, CANopen, Analogue ■ 300 N axial and radial load ■ 200 g shock resistance ■ 20 g vibration resistance ■ Submersible: Protection class up to IP69K ■ High temperature range: -40 ... +100°C ■ Compact design: 32 mm mounting depth 	<ul style="list-style-type: none"> ■ Explosion proof enclosure „d“ ■ Code: Ex II G/D E Ex d II C T4/T6 ■ Robust design ■ Highest working reliability ■ Stainless steel version available ■ Interfaces absolute: SSI, Profibus, CANopen, DeviceNet ■ Interfaces incremental: RS422, Push Pull ■ Protection class: IP67 	<ul style="list-style-type: none"> ■ High Resolution Unbreakable Disks ■ High Resolution (1 - 5000 ppr) ■ Extreme robust design: up to 400 g shock resistance ■ High shaft load (up to 440 N) ■ isolated shaft ■ Protection class NEMA 4X, 6 / IP66, 67) 	<ul style="list-style-type: none"> ■ Special Encoder for big AC-motors and Generators ■ Mechanical rugged design ■ Unbreakable code disc ■ Electrical robust: disruptive voltage up to 2,5 kV ■ Wide voltage range: DC 5 ... 30V ■ Integrated diagnostic system (readable error memory) ■ Connection through terminal block or connector 	<ul style="list-style-type: none"> ■ Stainless – code disc ■ NEMA 4X, 6 / IP66, 67, Sealed against the motor ■ Flexible shaft coupling: Accommodates motor shaft play ■ Electrically isolated shaft ■ Motor mount with adapter plates ■ Hard anodized isolated housing
Available features: <ul style="list-style-type: none"> ■ Stainless steel housing (AR63) ■ Axial Connection ■ MT Resolution up to 24 Bit 		Available features: <ul style="list-style-type: none"> ■ NEMA 6/IP67 ■ ATEX Zertifikat ■ Temperature range: -40°C ... 120°C ■ Redundant output 		
Fields of application: <ul style="list-style-type: none"> ■ Wind power plants ■ Gantry cranes ■ Marine equipment ■ Food & Beverage Industry ■ Presses ■ Offshore plants 	Fields of application: <ul style="list-style-type: none"> ■ DrawWorks ■ Topdrive ■ Pipe handling ■ Chemistry 	Fields of applications: <ul style="list-style-type: none"> ■ Paper and Steel ■ AC - Motors ■ Oil/ Gas ■ Packaging industry ■ Food and Beverage 	Fields of applications: <ul style="list-style-type: none"> ■ Converting Machinery ■ Material Handling ■ Food & Beverage ■ Wire line, any depth measurement 	Fields of applications: <ul style="list-style-type: none"> ■ Generator ■ Traction motors ■ Big AC-Motors



Foto: Henry Hengstler, photo.com