

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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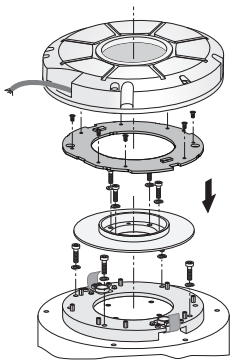
Visit our website - *Click HERE*

ERP modular angle encoders
Without integral bearing, with optical scanning

The HEIDENHAIN **ERP** angle encoders without integral bearing are intended for integration in machine elements or components. They operate without friction and permit high accuracy.

This makes them particularly attractive for high-precision angle measuring tables and precision devices in angular metrology. The **ERP 4080** and **ERP 8080** angle encoders are designed for applications in the clean room.

A circular scale with phase grating serves as the basis for the high accuracy of the ERP encoders. The attainable system accuracy depends on the eccentricity of the graduation to the drive shaft bearing, as well as the radial runout and wobble of the bearing.

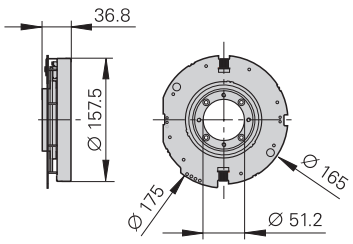


Mounting the ERP 880

ERP 880
- **Very high accuracy**
- Very fine grating period
- Low error within one signal period thanks to the interferential scanning principle

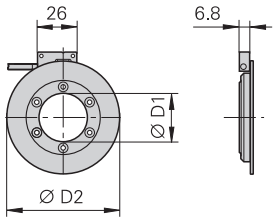


ERP 880 with housing

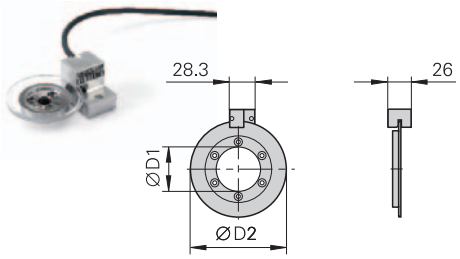


ERP 1000 series
- **Very high resolution and accuracy**
- Small mass, low mass moment of inertia
- Very flat design
- Circular scale available as full circle or segment





ERP 4080 and **ERP 8080**
- **Very high resolution**
- High accuracy
- Compact design
- Low error within one signal period thanks to the interferential scanning principle



	Incremental **ERP 880**
Interface	∿ 1 V_{PP}
Signal periods/rev	180000
Accuracy of graduation	±0.9″
Mech. permissible speed	≤ 1000 rpm

	Incremental **ERP 1070** **ERP 1080**			
Interface	*ERP 1070:* ⊓⊔ TTL; *ERP 1080:* ∿ 1 V_{PP}			
Signal periods/rev	23000	30000	50000	63000
Accuracy of graduation	±5″	±2.5″	±1″	±0.9″
Inside diameter D1	13 mm	32 mm	62 mm	104 mm
Outside diameter D2	57 mm	75 mm	109 mm	151 mm
Mechanically permissible speed	≤ 2600 rpm	≤ 2000 rpm	≤ 1200 rpm	≤ 950 rpm

	Incremental **ERP 4080**	**ERP 8080**
Interface	∿ 1 V_{PP}	
Signal periods/rev	131072	360000
Accuracy of graduation	±2″	±1″
Diameter D1	8 mm	50 mm
Diameter D2	44 mm	108 mm
Mech. permissible speed	≤ 300 rpm	≤ 100 rpm

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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