

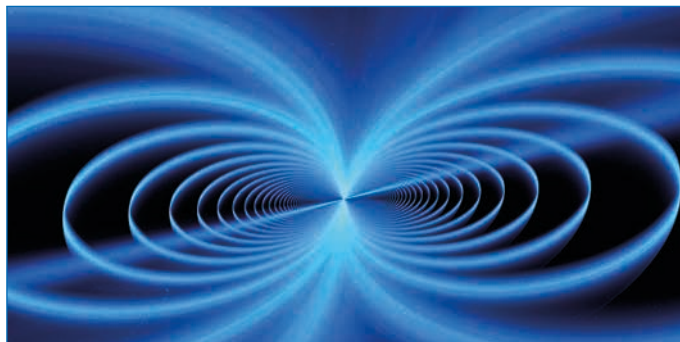
## WDG(I) encoders incremental and robust, now also magnetic

- Even more robust due to magnetic sensor
- Maximum bearing loads up to 500 N axial/radial
- Fewer components, more resistant to shock and vibration



# WDG(I) encoders

## ... incremental and robust, now also magnetic



For more than 25 years, Wachendorff Automation has been developing systems and encoders for global use in a wide variety of applications in the fields of mechanical / plant engineering, lift construction, mobile machines and renewable energies.

The more than 2,000 customer variants we have implemented clearly demonstrate our high degree of flexibility and absolute customer focus. Since we attach such a great deal of importance to mechanical and electrical stability, we offer a five-year guarantee.

### Magnetic sensors - even more robust

The incremental encoders WDG40, WDG50 and WDG158 are extended by magnetic sensors using M35\* and N35\*\* circuits. When it's not the highest precision that's important, but rather measuring positions and speeds under adverse and harsh industrial conditions, you can rely on rotary encoders from Wachendorff Automation.

### Fewer components - more resistant to shock/vibration

Since sensitive components such as glass disc, glass aperture and LED lens can be dispensed with in comparison to optical encoders, magnetic incremental encoders are more resistant to influences such as vibrations and shocks.

\* M35: Supply voltage 5 - 30 VDC / Output HTL inv. or TTL inv. (at 5 VDC supply voltage) / Channels AB, ABN and inv.

\*\* N35: Supply voltage 5 - 30 VDC / Output HTL or TTL (at 5 VDC supply voltage) / Channels AB, ABN

### Maximum bearing loads: 500 N

The WDG158D heavy-duty variant offers an up to 25 % higher potential bearing load than its predecessor model as standard. This translates into 500 N in both an axial and a radial load direction. The encoder therefore also has sufficient reserves even when faced with extreme shaft loads, which is decisive for a long service life. A long tool life and low maintenance costs are guaranteed.

### Semi-automatic production

The programming and calibration of the incremental encoders with magnetic sensors is semi-automatic. This makes the manufacturing process considerably leaner. Thus your encoders are not only produced faster, but we guarantee the high quality „Made by Wachendorff“, which you are used to from our other products, even with high quantities.

### The key features in summary:

- Standard industrial encoders in a variety of mechanics
- Magnetic sensor for even more robustness
- More resistant to shock/vibration due to fewer components
- Highest bearing loads of 500 N axial and radial
- Connection protection (optional)
- 1-128 ppr, 256 ppr, 512 ppr und 1024 ppr are available

**Any Questions?** Just call us at +49 (0) 6722/9965-131, send us an E-Mail to [support-wdgi@wachendorff.de](mailto:support-wdgi@wachendorff.de) or call your local distributor: [www.wachendorff-automation.com/distri](http://www.wachendorff-automation.com/distri)



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