

Easy positioning

Intelligent position indicator for fast and reliable manual format changeovers

- Target and actual positions visible at a glance
- Low maintenance thanks to the battery-free multiturn absolute system
- OLED display visualises pictograms and operating instructions
- IO-Link communication for cyclic data exchange with the controller
- Three feedback buttons for confirming and documenting the correct setting



IP65

IO-Link

ifm – close to you!

Version	Order no.
Position indicator with OLED display and 20 mm hollow shaft, IO-Link	**RPO300**

Quickly switch to the right format

Increasing product variety and smaller batch sizes make frequent format changes part of everyday production. On packaging and labelling machines, for example, heights, widths and other format settings often need to be adjusted manually using adjustment spindles. The RPO300 supports this process by displaying the target and actual positions directly at the respective adjustment spindle. Operators can instantly see the required position and adjust the spindle accordingly. This reduces positioning errors and enables fast, repeatable format changes.

Absolute positioning without a battery

The RPO300 features a magnetic multiturn absolute system at its core. It ensures reliable and unambiguous detection of the spindle position, even when no continuous power supply is available. Because the system operates without a battery, it is completely maintenance-free. In addition, the magnetic measuring principle provides excellent immunity to electromagnetic interference.

Everything important at a glance

The bright, full-graphic OLED display presents position values alongside pictograms, graphical elements and user guidance. This gives operators instant access to all relevant information directly at the point of adjustment. The display can also be rotated through 180°, allowing it to be adapted to a wide range of installation scenarios.

Technical data		
Resolution		32-bit multiturn, of which battery-free: 68 per direction
Operating voltage	[V]	10...30
Operating principle		Magnetic / battery-free
Ambient temperature	[°C]	0...60
Protection rating		IP65

Set, confirm, document

The RPO300 receives the required setpoint directly from the machine controller via cyclic IO-Link communication. The operator then manually adjusts the spindle to the specified position. Three feedback buttons allow the correct setting to be confirmed quickly and easily. Machine settings can also be logged and documented, providing traceability for quality assurance and audit purposes.

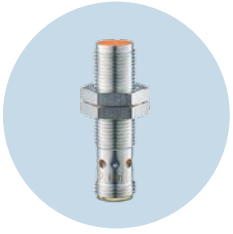
Reduce changeover time, boost productivity.

The RPO300 combines the simplicity of manual adjustment with the advantages of digital operator guidance and communication. Especially on machines with multiple adjustment points, this helps operators complete format changes faster, more accurately and with greater confidence. The result is less downtime, higher machine availability and more efficient production, even with a wide range of product variants. With regular format changes, even modest time savings can deliver a return on investment in just a few working weeks.

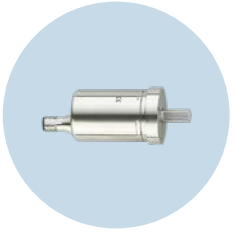
BEST FRIENDS



IO-Link master
Field-compatible masters with PROFINET interface



Inductive sensors
Detection of the position of moving objects



Multiturn encoders
Absolute position detection, even without a power supply

For further technical details, please visit: ifm.com/fs/RPO300

We reserve the right to make technical alterations without prior notice. · 11.2026
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