Enhanced Magnetic Encoders from Balluff Deliver Condition Monitoring

Position, switchpoint status data also available with absolute measuring system

Florence, Kentucky (Jan. 31, 2020) — The latest additions to the Balluff family of magnetic encoder systems meet IO-Link's smart sensor profile 2.0 specifications, adding four switching signal channels to the process data. Each channel uses IO-Link to program an on and off point for the encoder, which allows measurements to be limited to set ranges or windows.

An enhanced version of the encoder also adds condition monitoring functions to report signal quality and a low signal threshold to alert when maintenance may be needed.

"The additional capabilities of these advanced encoder systems make them unique to the market and provide high value to users in a wide range of industries. There's nothing else like it on the market," said Scott Rosenberger, Balluff technical support engineer.

Developed for measuring and positioning applications, Balluff magnetic encoders provide absolute measurement by traveling above a magnetically coded strip that can be up to 8 meters long, with an impressive read distance of 1.3 mm. Using IO-Link, they send digital measurement data to your network. They can also provide an optional analog real time sine-cosine signal for control applications.

Most important features:

- Simple connection via IO-Link
- Available with Smart Sensor Profile 2.0
- Generous read distance of 1.3 mm
- Optional analog measurement output

Learn more at: www.balluff.com

About Balluff Inc.
Balluff Inc. is the U.S. subsidiary of Balluff GmbH, Neuhausen, Germany. Balluff is a leading supplier of networked IO-Link control system architectures that unlock the potential of the IIoT and Industry 4.0. Balluff offers a wide range of intelligent IO-Link and industrial Ethernet sensors in a variety of technologies including inductive, photoelectric, capacitive, and magnetic as well as magnetostrictive linear position sensors, magnetic tape linear encoders, industrial RFID systems, and industrial vision systems. Balluff provides cost-saving, process-enhancing solutions to machine builders and manufacturers to control, regulate, automate, assemble, position, and monitor manufacturing, assembly, and packaging sequences. Industries served include: automotive, packaging, food processing, beverages, tire, primary metals, conventional and alternative energy, semiconductor, plastics, and fluid power.