

# POSITAL

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## FRABA

### +++ Press Release +++

## POSITAL Upgrades its Family of Analog Programmable Rotary Encoders

**Hamilton, New Jersey, October 2018** – Encoder specialist POSITAL has announced a new generation of analog rotary encoders for position control. Compared to the company's earlier analog encoders, these new models feature improved accuracy, faster dynamic response and new programming options. They also accept a wider range of supply voltages, an advantage for mobile machinery applications.

POSITAL's analog encoders are designed for positioning tasks that use analog control systems. Outputs are either voltage (0-5V, 0.5-4.5V, 0-10V or 0.5-9.5V) or current (0-20 mA or 4-20 mA). The magnetic measurement mechanism is wear-free and extremely durable so that these devices offer much better accuracy, reliability and service life than conventional potentiometers.

An important feature of the POSITAL analog encoders is that they are programmable with measurement characteristics that can be customized to meet specific application requirements, (This feature is also available with POSITAL's digital encoders with SSI and incremental interfaces.) Programming can be carried out at the factory, in a distributor's warehouse or at the customer's job site, thanks to POSITAL's easy-to-use UBIFAST programming tool.

Programmable characteristics include direction of rotation (CW or CCW), zero set and the encoder output range. Measurement range programming allows the full range of electrical outputs (voltage or current) to be set to match a user-defined range of mechanical motion, resulting in significant improvements to control system accuracy. For single-turn models, the measurement range can be set to 90°, 180°, 270° or 360°. For multi-turn models, the range can be set anywhere between 1 and 65,536 complete rotations. Analog encoders are available with push-buttons on the housing that enable the user to easily specify the upper and lower limits of the mechanical motion, with the electrical output fully spanning this range.

Finding the right analog encoder for a specific application is straightforward. The web site [www.posital.com](http://www.posital.com) provides a powerful product finder tool that enables a customer to specify the product features required for each application and then quickly zero in on the most suitable products.

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### About FRABA and POSITAL

POSITAL is a supplier of advanced industrial position sensors used in a wide variety of motion control and safety systems. The company is also an innovator in product design and manufacturing processes and a pioneer of Industry 4.0 (Industrial Internet of Things/IIoT), offering customers the benefits of built-to-order products combined with the price advantages of mass-production. POSITAL is a member of the international FRABA group, whose history dates back to 1918, when its predecessor, **Franz Baumgartner elektrische Apparate GmbH**, was established in Cologne, Germany to manufacture relays. Since then, the company has played a trendsetting role in the development of rotary encoders, inclinometers and other sensor products. POSITAL has a global reach with subsidiaries in Europe, North America and Asia – and sales and distribution partners around the world.

### Graphic

File: PressPhoto.Upgrade-Analog-Programmable-Encoders(POSITAL).jpg

Caption: Upgrade: POSITAL's Programmable Analog Encoders are available with push-buttons on the housing enabling the user to easily specify the upper and lower limits of the mechanical motion.

### Further Information

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