



Press release

POSITAL extends interface options for OPTOCODE rotary encoders

Hamilton, New Jersey, July 2011 – POSITAL's OPTOCODE (OCD) absolute rotary encoders are now available with a new combined interface that enables simultaneous communication of both absolute and incremental rotary position data. The new interface is designed to provide robust and cost-effective point-to-point communications between encoders and many popular types of programmable logic controllers (PLC).

The new interface reports absolute rotary position data to the PLC using the synchronous serial interface (SSI) standard, operating over an RS-422/485 communication link. At the same time, the encoder can also transmit a series of electronic pulses as the shaft rotates – up to 16,384 pulses per rotation. Optionally, an index pulse can also be sent once every complete rotation. Incremental pulses can be sent over an RS-422/485 link, or via a push/pull connection. (The incremental pulses are sent over separate wire pairs from those used to enable the SSI interface.) These “dual-personality” encoders can be extremely useful for motor control applications or for monitoring rotating machinery such as wind turbines, since they can provide accurate real-time measurement of the rotational velocity (thanks to the incremental output), while also providing access to absolute rotary position data in response to a request from the controller.

Other new features of these encoders include enhanced diagnostic reporting via case-mounted LED's or via the SSI connection, and an optional case-mounted push-button that allows the operator to re-set the zero-position (datum) of the absolute position readout. The new OCD encoders retain the best features of the previous generation devices, including precision (up to 2^{16} steps per turn) accuracy, single- or multi-turn capabilities and highly effective shaft and

POSITAL

FRABA

connection seals (up to IP66 protection). Available as solid, hollow and hub shaft versions, the units can be supplied with a connector or a cable exit.



About FRABA and POSITAL

FRABA Inc. is the North American sister company of Germany-based FRABA AG, a group of enterprises focused on providing advanced products for position sensing and motion control in many sectors and applications. Business units within the FRABA group include POSITAL (rotary encoders and inclinometers), VITECTOR (safety assurance equipment), and INTACTON (optical motion sensors).

Further Information

POSITAL

FRABA

Chintan Doshi
FRABA Inc.
1800 East State Street, Suite 148
Hamilton, NJ 08609, USA
Phone: 609-750-8705
Fax: 609-750-8703
chintan.doshi@fraba.com

James Tulk
PR Toolbox
2234 Queen Street East, #4
Toronto, Ontario, Canada, M4E 1G2
Phone: 416-368-6636
Mobile: 416-738-1529
jtulk@pr-toolbox.com

www.fraba.com

Graphic

File: OCD_SSI.jpg

Caption: OPTOCODE encoder with serial interface

Word Count: 292

