



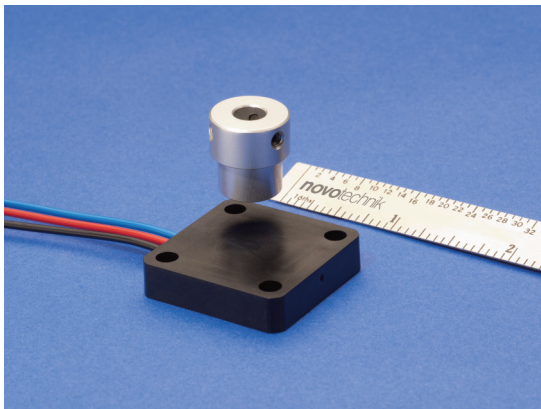
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For Immediate Release:

## NEW COMPACT ANGLE SENSOR WITH TOUCHLESS TECHNOLOGY

Southborough, MA -- Novotechnik introduces the RFA4000 angle sensor, which determines the measurement angle by detecting the orientation of a magnetic field. A supplied magnet is easily attached to a rotating shaft on the application.



The magnetic field orientation is converted by an embedded IC into an angle from the 360°. An integrated processor performs several functions including converting a calculated angle to either a 0.25 to 4.5V or 0.5 to 4.5V output. Because the RFA4000 is based on touchless technology there is no physical connection between the sensor and magnetic position marker, making it inherently wear free.

The RFA4000 Series features 12-bit resolution, compact size of 30x30x7mm<sup>3</sup>, unlimited mechanical lifetime and independent linearity within  $\pm 0.5\%$ . A 14-bit

SPI output version is also available. The housing is made of high-grade temperature-resistant plastic and is IP67 protection class sealed, therefore not sensitive to dust, dirt, liquids or moisture.

The two-part design of the RFA4000 sensor and position marker offers engineers maximum flexibility when mounting the sensor. Since the sensor uses touchless technology with no shaft or bearings nominal application shaft offsets can be accommodated. Measurements can be made transmissively through various (non-magnetic) materials. Both leadwire and pc-board connection versions are available.

Custom versions of the sensor are available that are optimized for a specific angular range as well as custom magnets with application-specific attachments.

For more information on the RFA4000 series and Novotechnik's complete range of rotary and linear position sensors contact Novotechnik U.S., Inc. at 155 Northboro Road, Southborough, MA 01772 • Phone: 508-485-2244 • Fax: 508-485-2430 • Email: [info@novotechnik.com](mailto:info@novotechnik.com)

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