

For Immediate Release:

Smart Non-Contact Rotary Sensor

Southborough, MA – The new RSC3700 family of non-contacting rotary sensors provides 360° absolute angle measurements with 12-bit resolution. The measurement is referred to a mechanical index point, providing a record of rotations in the event of power failures. A microprocessor incorporated into the sensor enables the output characteristic curve to be preprogrammed to a customer's requirements. Outputs are proportional to the rotary position of the shaft and include 4 to 10mA, 0 to 10V or 0.5 to 4.5V analog as well as digital pulse-width modulated-PWM.

RSC3700 sensors can be set to generate up to two analog or digital "trigger" signals that may be used to control mechanical processes or signal specific events. Taken together, linearization programmability, position and control output features can eliminate signal conditioning and control logic circuitry in many applications.



Key specifications include resolution to $\pm 0.09^\circ$, absolute linearity of $\pm 0.1\%$ and repeatability of $< 0.15\%$.

Measuring 1.32" (33.325 mm) in diameter and 1.81" (46 mm) in depth, Novotechnik RSC3700 sensors feature a rugged stainless steel case, sealed to IP 67, designed to withstand high EMC levels and operate in temperatures from -40 to $+85^\circ\text{C}$. The sensors have a service lifetime of > 350 million operations.

For more information on the RSC3700 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