Southborough, MA… Novotechnik, U.S. introduces the RFC4800 Series of touchless rotary angle sensors that provide absolute, rotary position. Output options for analog, digital, redundant and switch outputs are standard.

The RFC4800 Series utilizes a magnetic pickup to provide a touchless measurement range of 0 to 360°. Key specifications include ingress protection from liquids and dust to the IP 69K standard, resolution to 12 bits, repeatability of 0.1° and independent linearity of ±0.5%.

Outputs include SSI, Incremental, SPI, 0.1 to 10 V, 4 to 20 mA, 0.25 to 4.75 V - ratiometric to supply, 0.5 to 4.5 V - ratiometric, 2 PNP switches and redundant analog.

Switches feature positive switched outputs, width of switching zone is user- or pre-programmable, edge width of switch ≤ 0.1° and accuracy of switch edges is ±1°.

Magnetic marker mounts to a shaft on users application up to 25 mm from sensor.

Designed to withstand shock and vibration up to 100G/20G, RFC4800 Series sensors have an operating temperature range of –40°C to +85°C.

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