New 100 Turn Rotary Sensors

Southborough, MA - Novotechnik U.S. announces the ML Series of rotary sensors. These sensors measure angle up to 100 turns or 36,000° of mechanical travel and have a life of over 15 million turns.

The ML Series includes five models each optimized for their maximum 6, 10, 25, 50 or 100 turns. Repeatability is to ±0.01% or better and Independent linearity is as low as ±0.25%. Electrical ranges for the models are 0° to 2,160°, 3,240°, 8,280°, 17,280° or 34,560°.

Maximum resistance value is either 5 kΩ or 10kΩ, depending on model and temperature coefficient is a very low 5 ppm/K.

A friction clutch on each sensor’s end-stops provides over-run protection. Mechanical dimensions of the ML Series as measured from shaft end range in length from 62.2 mm to 102.2 mm. All models have a width of 13 mm. Shaft diameter is 6 mm and has a 10 mm bushing mount. Operating temperature range is -25°C to +75°C.

For more information on the ML Series and Novotechnik’s complete range of sensors contact Novotechnik U.S., Inc., Phone: 508-485-2244 · E-mail: info@novotechnik.com · Web: www.novotechnik.com/ml

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(Photo also attached)