novotechnik
Siedle Group

News Release

For Immediate Release

Novotechnik Announces Analog Output Option for MZ1 Series 44-Turn Rotary Sensors

Multi-turn sensor series now offers mechanical engineers straightforward 0.25 to 4.75 V DC or 0.5 to 4.5 V DC voltage outputs, simplifying integration

SOUTHBOROUGH, MA — Sept. 15, 2026 — Novotechnik U.S. has announced a new analog output option for its MZ1 Series of multi-turn rotary angle sensors. Designed to simplify integration, the updated MZ1 Series now offers direct voltage output options of 0.25 to 4.75 V DC or 0.5 to 4.5 V DC, eliminating the programming and interface requirements of digital communication. The new options give machine builders and OEMs a straightforward solution for absolute position measurement over multiple rotations.

Analog outputs remain widely used for standard position-sensing applications because they integrate easily with industrial control systems. When digital communications are unnecessary, programming requirements and communication protocols can add complexity to system development. The new MZ1 analog option provides a direct voltage output proportional to the power supply voltage, making position feedback easier to integrate into many machine control systems.

To support compatibility with industrial control systems and PLCs, the MZ1 Series offers two analog voltage output configurations. These output options allow designers to select and integrate the appropriate sensor configuration without specialized programming.

The MZ1 Series provides absolute position measurement up to 44 turns. Its combination of multi-turn measurement capability and compact packaging makes it suitable for space-constrained OEM applications including steering angle monitoring, heavy-duty valve control, off-highway vehicles, and advanced robotics.

The MZ1 is part of Novotechnik's broader portfolio of rotary position sensors, which includes the MC1, MB1, RSM, and compact 22 mm-diameter MZ2200 Series. Novotechnik brings decades of experience in position-sensing technology to automotive, off-highway, machine engineering, and industrial automation applications.

The updated MZ1 multi-turn rotary sensor with analog output is available immediately. Engineers interested in reviewing product specifications or discussing OEM applications can contact Novotechnik U.S. For more information, visit https://novotechnik.com/mz1/.

About Novotechnik U.S.

Novotechnik is an international sensor and transducer manufacturing company with U.S. operations headquartered in Southborough, Massachusetts. Since pioneering the introduction of the potentiometer to the general machine engineering sector in the 1950s, Novotechnik has developed contacting and non-contacting position-sensing technologies for motion control applications.

As divisions of the global Siedle Group, Novotechnik and its sister division Contelec develop and produce a wide range of rotary and linear position sensors. These solutions are used across industries including automotive, machine engineering, plastics, medical equipment, hydraulics, pneumatics, medical products, and control systems. Novotechnik's operations are ISO 9001 certified.

###

Photo attached for publication.

Press contacts:

- Mark Hersum, mark.hersum@tizinc.com, 508-544-1250 x204
- Don Goncalves, dgoncalves@tizinc.com, 781-793-9380