

Elevating Precision in Laboratory Applications with Portescap's M-Sense16 Magnetic Encoder

Portescap, a leading innovator in miniature motion solutions, is proud to announce the M-Sense16 magnetic encoder, as the perfect pairing for the demanding requirements of diagnostic analyzers and lab automation equipment. This cutting-edge encoder features the latest advancements in chip technology, providing the high degree of accuracy essential for precise positioning and closed-loop motion feedback. With a resolution range of up to 1,024 lines, the M-Sense16 ensures reliable performance in critical applications.

In diagnostic analyzer and lab automation settings, precision and throughput are paramount. The M-Sense16 excels in these environments, with its integral non-linearity of just 1.5 degrees guaranteeing consistent and accurate positioning. Its versatile resolution options allow engineers to fine-tune feedback for each axis, ensuring seamless coordination across X, Y, and Z axes. The encoder's compact 16mm diameter, combined with an appropriate brushless DC or DC coreless motor and gearbox, helps reduce the machine footprint, optimizing space in lab settings.

The M-Sense16 offers flexibility with cable or terminal outputs and options for axial or radial cable configurations. Additionally, a connector can be included for straightforward connection to the PCB. For more information on how the M-Sense16 can enhance your diagnostic and lab automation systems, reach out to Portescap at portescap.sales.america@regalrexnord.com.

About [Portescap](#)

Portescap offers the broadest miniature and specialty motor products in the industry, encompassing coreless brush DC, brushless DC, stepper can stack, gearheads, digital linear actuators and disc magnet technologies. Our products have served diverse motion control needs in a wide spectrum of applications including medical, life science, instrumentation, automation, aerospace and commercial for more than 70 years.

Portescap has manufacturing centers in the United States and India and utilizes a global product development network with research and development centers in the United States, China, India and Switzerland.