

The smallest absolute precision encoder from Netzer

Bournemouth UK, September 2020: [Motion Control Products Ltd](#) (MCP), the Bournemouth based solutions provider for the automation market, has introduced a new DS-16 fully digital absolute encoder from Netzer, a new family member of Electric Encoders™ based on Netzer Precision Motion Sensor proprietary technology.

The Electric Encoder™ is unique in being holistic, i.e., its output reading is the averaged outcome of the whole area of the rotor. This feature makes the Electric Encoder™ forgiving to mounting tolerances, mechanical wander etc. Its non-contact technology relies on an interaction between the measured displacement and a space/ time modulated electric field. The absence of components such as ball bearings, flexible couplers, glass disc, light sources and detectors, along with very low power consumption makes the Electric Encoder™ virtually failure free.

Our DS-16 absolute encoder is the world's smallest precision encoder with a diameter of Ø 16 mm and low profile of 8mm in length. Featured with high performance and rugged design, it has a resolution of 16-bit and it is DC operated, semi-modular, i.e. its rotor and stator are separate, with the stator securely housing the rotor. Its accuracy can reach 0.035° and it supports BiSS-C & SSI absolute encoder feedback, which is compatible with all MCP's flagship servo drives.

The DS-16 absolute position Electric Encoder™ is a revolutionary position sensor originally developed for harsh environments and critical applications. It is happily operational between -40°C to +85°C and has high tolerance to shock, EMI, RFI and magnetic field, making it suitable in a broad range of applications, including defence, homeland security, aerospace, and medical and industrial automation such as smaller robotic arm joints, accurate miniature camera gimbals etc.

For more technical information, please visit our website or contact our sales team at +44 (0)1202 599922.

High resolution images available

Motion Control Products Ltd. is the official UK Distributor for **Netzer Precision Motion Sensors** in Israel, which designs, manufactures and supplies high quality performance position encoders, based on the Electric Encoder™ proprietary technology. Since 1994 **Motion Control Products Limited** has been at the forefront of advanced motion control and automation with the supply of our extensive range of products. These include motors, drives, integrated motors with electronics, gearboxes, actuators, multi-axis controllers, collaborative robots and mechanical components to suit the widest range of Original Equipment Manufacturers (OEM's) application needs. MCP's electric and mechanical products are used in a variety of industries, including the packaging, material handling, medical, food processing, automotive, semiconductor and general automation industries.

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