

## EH036 AND EHM36 MINIATURE ABSOLUTE ENCODERS INTEGRATE ENERGY HARVESTING TECHNOLOGY

The **EH036 and EHM36** are the latest series of miniature absolute encoders from Lika Electronic.

The EH036 and EHM36 encoders are built in a very compact and rugged 36-mm housing and offer 6-mm solid and blind hollow shafts. Thanks to the small footprint and the robust design with up to IP67 protection, they can be easily integrated where the installation space is limited and even in harsh industrial environments. They can be equipped with either high-accuracy optical sensing technology (EH036) or robust magnetic sensing technology (EHM36). The multiturn versions integrate the **Energy Harvesting Technology** circuit.

The multiturn counter is battery-free and gearless, the encoder can be lighter and more compact, and the risk of mechanical failures is reduced. Furthermore, the range of the working temperature is extended from -40°C to +100°C (-40°F to +212°F) to cover the severe industrial applications. The Universal power supply circuit is also very useful; it enables an input voltage of +5Vdc to +30Vdc. The EH036 and EHM36 series encoders are equipped with the SSI and BiSS interfaces and deliver singleturn resolutions up to 24 bits and multiturn resolutions up to 36 bits. Thanks to the high resolution, the miniature size, and the rugged construction, the EH036

and EHM36 encoders are ideally suited for reliable operation in small motors and especially highly dynamic servomotors, including product handling equipment, pick & place robots, electronic assembly systems, printing and measuring machines, electro-medical and laboratory instruments, and geared limit switches in wind turbines. They are also perfect for installation in advanced industrial automation applications that require accurate real-time motion control, especially in tight and confined spaces where the footprint is a primary concern.

