

AMM31 New-Generation Kit Encoder

AMM31 is the first of a new series of optical kit encoders developed by Lika Electronic.

It excels because of its large through hollow shaft, simple mounting and a wide selection of incremental and absolute interface options.



- Outer diameter 31 mm / 1.22", through hollow shaft up to 10 mm / 0.394"
- Incremental, UVW, Sine/Cosine, SSI, BiSS, SPI interface options
- Singleturn and multiturn absolute resolution
- Large tolerances for easy mounting

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It excels because of **its large through hollow shaft**, simple mounting and a wide selection of incremental and absolute interface options.

AMM31 is **frameless and has a very compact, light-weight and bearingless design**.

The external diameter is shrunk down in size to 31 mm/1.22" and the through hollow shaft is enlarged up to 10 mm/0.394".

It can be equipped with a broad choice of both incremental and absolute interfaces, they are:

- incremental ABO /ABO signals, 65,536 PPR;
- 1Vpp Sine/Cosine signals for speed feedback;

- UVW commutation signals, up to 32 pole pairs for BLDC motor control;
- SSI serial interface;
- BiSS serial interface;
- SPI serial interface.

Absolute versions can be singleturn and multiturn. Singleturn resolution is up to 23 bits, revolutions are 65,536.

Its very wide mounting tolerances allow for the simplest and fastest installation. It does not need any configuration software.

AMM31 is **ideally suited for direct integration into motors, robotic joints, surgical and diagnostic robots**, confined-space and weight-sensitive applications.