

## C50 encoder family grows and becomes absolute!

*C50, the most popular and best selling encoder from Lika Electronic, gains a new set of high incremental resolutions (up to 65,536 PPR!) and also becomes available in absolute version (singleturn resolution up to 19 bits x 65,536 revolutions).*

- C50MI incremental encoder, high resolution up to 65,536 PPR
- TTL/RS-422 Line Driver signals + additional UVW commutation signals
- C50MA absolute encoder, up to 19 bit singleturn resolution and 65,536 revolutions
- SSI and BiSS C-mode serial interfaces + additional TTL/RS-422 Line Driver signals



C50MI and C50MA encoders are the latest additions to the C50 encoder range from Lika Electronic.

**C50MI is the new high resolution incremental model** and provides Line Driver signals + additional UVW commutation signals.

**C50MA is the new absolute model and offers SSI and BiSS interface** + additional Line Driver output.

From the mechanical point of view they look exactly the same as the well-known C50 encoder, but inside they are built on totally new electronics and measuring technology.

As the standard version, they are designed in a 52 mm / 2.05 in die-cast aluminium enclosure with through hollow shaft (6, 6.35, 8, 9.52 and 10 mm / 0.24, 1/4, 0.31, 3/8, and 0.39 in bore diameters). The housing excels in the small diameter and the low thickness. A variety of regular as well as custom-made fixing plates allows many installation options.

In addition they can be mount on both sides of the encoder to better fit specific applications. The degree of protection is IP65 and the operating temperature ranges between -25°C and +100°C (-13°F ÷ +212°F), it can be extended up to +110°C (+230°F) on request.

**C50MI and C50MA are equipped with the latest magnetic sensing technology** and provide operational advantages in high-temperature, shock and vibration environments.

C50MI incremental encoder offers TTL/RS-422 Line Driver level ABO /ABO signals with additional UVW /UVW commutation signals for brushless motor feedback. The incremental resolution is in the range 1 to 65,536 PPR. UVW signals are available in 1 to 16 pole pairs to fit different BLDC motor requirements.

C50MA absolute encoder can be equipped with SSI and BiSS C-mode serial communication protocols. It can be both **singleturn and multiturn**. The **singleturn resolution ranges between 15 and 19 bits** (up to 524,288 cpr); the number of revolutions is 65,536. The encoder also produces additional ABO /ABO incremental signals (up to 65,536 PPR, TTL/RS-422 Line Driver signal level) for speed control.

C50MI and C50MA encoders are ideally suited for advanced position and speed control of brushless motors, as well as for many and varied industrial automation applications.