

CB50 benefits from electronics upgrade

The electronics of CB50, the incremental encoder with UVW commutation signals for feedback on brushless motors, has been upgraded and provides resolution up to 5,000 PPR as well as an extended range of the operating temperature.

- Compact incremental encoder for feedback on brushless motors
- ABO /ABO digital signals + UVW /UVW commutation signals for 4, 6, 8 pole motors
 - Range of resolutions up to 5,000 PPR
 - Operating temperature extended to +115°C / +239°F
- Separate connection cable, length according to customer needs

CB50 is a compact incremental encoder expressly **designed for motor feedback applications** that require **both ABO incremental signals and UVW commutation signals**.

The enclosure has a 50 mm / 1.968" diameter flange and the overall depth is limited to 35 mm / 1.378". It is equipped with an 8 mm / 0.315" diameter through hollow shaft, but 6 mm / 0.236" and 10 mm / 0.394" options are also available on request. It is worthy of remark that the **operating temperature can be optionally extended to +115°C / +239°F**.

CB50 provides ABO /ABO incremental signals for positional information via Push-Pull and Line Driver output circuits. The resolution comes up to 5,000 PPR. It further generates UVW /UVW commutation signals to commute 4, 6 and 8 pole brushless motors. Key features include the **separate EC-CB50 cordset** fitted with PCB connector at one end, it can have **custom length and be as long as required**.

