# **MECON LVT10 CONTROLLER**



MEDEval,
Drive
programming
software.

## **BRUSHLESS DC MOTOR CONTROLLER**

The MECON LVT10 series of controller is a three phase motor controller specially designed for electronic commutation of sensored brushless motors. It is equipped with advance motor control algorithms and in-house designed gate drivers for robust performance.

Simple speed control is achieved by hall sensors in open loop as well as closed loop control modes. Accurate fault detection makes the controller well protected in overlimit conditions.

High efficiency and cost effictiveness makes it possible to integrate it in OEM applications. LVT10 controllers can be used in general industrial applications as well as applications where high torque demand is required.

### **APPLICATIONS**

- Conveyers
- Printing
- Packaging
- Textiles
- Flap barriers, Boom barriers
- Robotics



## **TECHNICAL SPECIFICATION**

### LVT10

Operating mode Open loop, Closed loop Feedback HALL sensors (U, V, W) Power 50W (LVT10A)

100W (LVT10B) 200W (LVT10C)

Voltage 18 - 28V

Current (cont.) 2A (LVT10A)

4.2A (LVT10B) 8.5A (LVT10C)

RPM range 20000 RPM

Speed input 0 - 5V / 1 - 10KHzHall voltage 5V (25mA max.)

Acceleration 0 - 20 s
Deceleration 0 - 20 s
Over voltage 30V
Under voltage 18V

Overload 150% (60 s)

Stall protection 6 s

Operating temp. -5 - 40 C (ambient) Max. temp. 80°C (heatsink)

Communication RS485

Weight 250grams approx.

(L x W x H) (121mm x 76mm x 30mm)

# Additional digital keypad interface capability



