

## New servo motor controller – The ESCON 70/10

High performance, easy to commission, outstanding motor control characteristics, and top performance.

**maxon motor's new range of servo controllers continues to expand. Just like the existing motor control units in the range, the new maxon motor ESCON 70/10 possesses incredibly easy usability and peak control properties. The high power density 4-quadrant pulse width modulated (PWM) servo motor controller gives efficient control of permanent-magnet brushed DC motors (PMDC) and brushless DC motors (BLDC motors) using Hall sensors with a power rating to ~700 W.**

The ESCON 70/10 servo motor controller features exceptional motor control qualities. Additionally it has very fast digital current control with a huge bandwidth for precise motor torque and current control. The speed behaviour is fluctuation-free and extremely dynamic with a motor speed range from 0 to 150,000 rpm. It has a broad range of functionality with completely configurable analogue and digital outputs and inputs. It can be used in numerous motion control operating conditions from current controller to speed controller in both open and closed loop. Being a compact servo motor controller it compliments maxon motors range of PMDC and BLDC motors giving dynamic motor drive systems which meet vigorous application requirements.

It is controlled with an analogue set value input that can be given from either an external source or using an internal potentiometer. Alternatively, the motor can be controlled via PWM input signal. It features direction oriented enabling if desired and the user can define the feedback mode using an encoder, tachometer or Hall sensors.

Designed specifically with easy startup and user-friendliness in mind. When connected to a PC via a USB port, the servo motor controller can easily be configured with the graphical user interface «ESCON Studio». A large variety of functions, software wizards, and a well-designed automatic procedure to fine-tune the controller come in handy during startup and configuration.

<http://escon.maxonmotor.com>



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This media release is available on the Internet at: [www.maxonmotor.com](http://www.maxonmotor.com)

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*servo motor controller for brushed DC motors and brushless BLDC motors © 2013 maxon motor*