DC motor with encoder now has greater resolution.

maxon’s DC motor with kit encoder combination has become an industry standard because of its cost effectiveness, high signal quality and versatility. Known for many years as the HEDL 5540 - 500 count per turn, the range has just expanded with the new AEDL 5810 - 5000 count per turn encoders.

A large range of DC motors are already available with the AVAGO encoders, both brushed DC motors and brushless designed DC motors. This is known as the ‘maxon modular system’ That allows an engineer or product designer to build up motor, gearhead and encoder combinations specifically to suit the application requirements. The modular system now expands dramatically with 9 new encoder resolutions ranging from 1000 counts per turn through to 5000 counts per turn. The new encoder is still an optical design and can be fitted with any motor that was previously available with the 500 count per turn unit and it uses the same DIN 41651 connections. With a 5V supply the output signal meets EIA Standard RS 422 using an AM26C31QD driver and has a typical signal rise and fall of 10ns. The high resolution makes it suitable for motor positioning tasks and is particularly useful for higher power motors that will not work with magnetic based encoder technologies. Focusing initially on the maxon multi-pole brushless DC motors and the new DCX range of motors the new encoder will provide solutions for demanding application requirements.

Contact maxon motor Australia for assistance selecting a motor with encoder. Ph.+61 2 9457 7477.

Length of this press release: 261 words

The media release is available on the internet at: www.maxonmotor.com.au