

Optical Encoder



Quantum Devices Model QD145 provides an improved feedback solution in applications typically using modular encoders. With an overall length of 0.87 and the stability of a bearing encoder design, the model QD145 can provide performance upgrades in applications limited by traditional modular encoder solutions. Outputs consist of a quadrature with reference pulse and three-phase commutation, which can be configured with either the 5 volt RSA22A Line Driver or the 5 to 26 volt OL7272 line driver. A flexible member allows for greater tail shaft run out than can be tolerated by modular encoder designs, plus it provides 30 degrees of rotation for commutation timing. A housing constructed of conductive carbon fiber composite provides the EMI shielding of an all metal housing and the performance of a lightweight robust assembly.

Source URL (retrieved on 02/26/2015 - 7:34pm):

<http://www.wirelessdesignmag.com/product-releases/2001/02/optical-encoder>