



# QUANTUM DEVICES, INC.

## **\*STARTING AT \$39.<sup>95</sup> EACH**

## **QD145 ... HAS GOT IT ALL TOGETHER!**

*“No assembly hassle” or “hidden costs” for installation onto OEM products!*



### **Design Features:**

- Low profile, 0.87” assembled height
- Standard Resolutions to 4096 CPR
- Proprietary Optical Sensing System
- 4 to 12 Pole three phase commutation
- Nickel coated carbon fiber composite housing
- Standard 1.812” Bolt Circle mounting
- Through shaft sizes up to 10mm(0.395”) Diameter
- High noise immunity
- Made in the USA - ISO 9001 Certified

The QPhase™ QD145 has been designed to eliminate the assembly hassle and hidden cost of installing modular or kit encoders onto OEM products. The QD145 is a complete operational unit with an integral dual ABEC 5, ball bearing, insert molded hollow shaft support that provides the mechanical stability for this low profile (0.87” high by 1.45” diameter) high resolution encoder package. Using our proprietary sensing technology we are able to obtain an incremental, 4096 PPR, plus Index pulse, without the use of interpolation schemes. The stainless steel flexible spring mount provides for 30° rotational adjustment to permit precise commutation alignment and has been designed to allow for more motor tail shaft run out than typical modular or kit type units can tolerate. Product options include: 120° C continuous ambient operating temperature, 4 to 12 pole three phase commutation signals for brushless motors, 5–26 VDC operating input voltages, high voltage line driver outputs on both incremental and commutation lines and standard resolutions from 200 PPR to 4096 PPR derived directly from the encoder disc. Evaluation Units available to ship within 48 hours of order.

*\* Reflects OEM unit price for QD145-05/05-1024-0-03-T1*

**For more information please contact:**

Quantum Devices, Inc.  
112 Orbison  
P.O. Box 100  
Barneveld, WI 53507

Tele: (608) 924-3000  
Fax: (608) 924-3007  
URL: [www.quantumdev.com](http://www.quantumdev.com)  
E-mail: [qdisales@quantumdev.com](mailto:qdisales@quantumdev.com)