



QUANTUM DEVICES, INC.

QD200... IS THE SOLUTION!
*“No assembly hassle” or “hidden costs” for
installation onto Motion Control products!*

DESIGN FEATURES:

- ⇐ **Through shaft sizes up to 12mm(0.625") Diameter**
- ⇐ **120° C continuous ambient operating temperature**
- ⇐ **500 kHz Fundamental Frequency Response**
- ⇐ **Resolutions up to 5000 lines per revolution direct read**
- ⇐ **4 , 6 or 8 pole commutation**
- ⇐ **High noise immunity...**
- ⇐ **Low profile, 0.93" assembled height**
- ⇐ **Bearing design simplifies encoder attachment**
- ⇐ **Proprietary Optical Sensing System**
- ⇐ **Nickel coated carbon fiber composite housing**
- ⇐ **Standard 2.375" Bolt Circle mounting**
- ⇐ **Made in the USA - ISO 9001 Certified**



The QPhase™ QD200 has been designed to eliminate the assembly hassle and hidden cost of installing modular or kit encoders onto OEM products. The QD200 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 (0.93" high by 2.00" diameter) high resolution encoder package. Using our proprietary sensing technology we are able to obtain an incremental, 5000 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 8 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 500 PPR to 5000 PPR derived directly from the encoder disc.

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