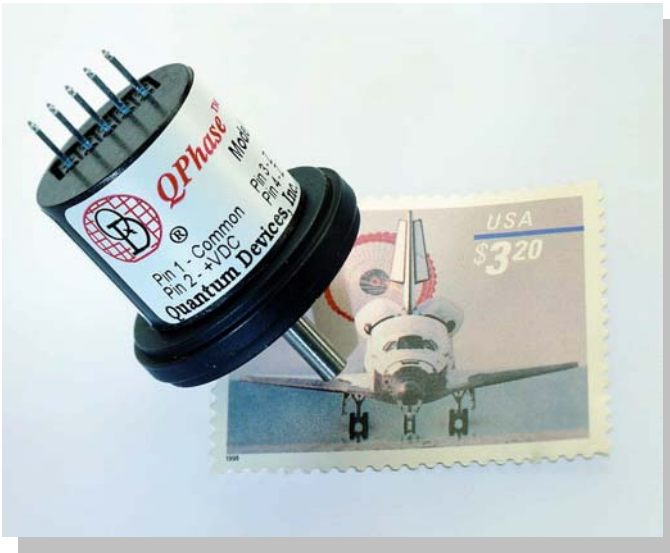


***QUANTUM DEVICES, INC.***

## **QD110 Size 11 High Resolution Optical Encoder**



### **Design Features:**

- Standard Size 11 encoder mounting
- Compatible with Size 11 Resolver mounting
- Resolutions up to 2048 line per Revolution Direct Read
- Unique Optical Sensing System
- Differential and single ended outputs
- Nickel coated carbon fiber composite housing
- IP 50 sealing
- High noise immunity
- Low supply current requirements

Quantum Devices, Inc. Model QD110 is designed to provide high resolution digital feedback in an industrial standard size 11 mounting format. Quadrature with reference pulse output format, resolutions up to 2048 lines per revolution (direct read) and a variety of electrical options are easily capable of satisfying the most demanding feedback application. The QD110 provides the user digital position information, directly from the feedback device, without the external R to D converters that are typically used with resolver feedback. Converting from size 11 resolver to encoder feedback is easily accomplished with the QD110 without the need for costly mounting modification to existing designs. QDI's unique optical sensing system embodies a much simplified encoder design, which ultimately results in longer service life and less down time due to feedback device failure. A nickel coated carbon fiber composite housing provides the EMI shielding of an all-metal housing and the high performance of a lightweight assembly.

### **For more information please contact:**

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