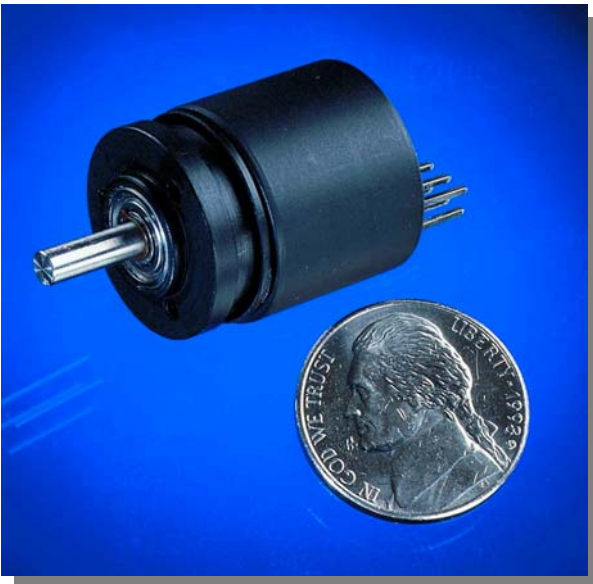


QUANTUM DEVICES, INC.

20mm dia. High Resolution Optical Encoder



Design Features:

- Miniature Size, 20mm (0.787") Diameter
- Resolutions up to 2048 lines per revolution direct read
- Single ended and differential outputs
- Patent pending unique sensing system
- Long service life
- Conductive carbon fiber housing
- IP 50 sealing
- High noise immunity
- Low supply current requirements

Quantum Devices, Inc. Model QD787 is intended for applications requiring high performance, high-resolution digital feedback in a very small package. The model QD787 provides the resolution of larger encoder packages, but in a package only 20mm (0.787") in diameter. Outputs can be configured in either single ended, open collector or internal pull up resistor, or with an industrial standard RS422A differential line driver. QDI's patent pending sensing scheme embodies a much simplified encoder design, which ultimately results in longer service life, and less down time due to feedback device failure. The encoder housing is constructed of a conductive carbon fiber composite that provides the EMI shielding of an all metal housing and performance of a lightweight robust assembly.