

CASE STUDY

COST-EFFECTIVE, ACCURATE, MEDICAL THROWAWAY

RJC ENTERPRISES, LLC

RJC Enterprises (RJC), based in Woodinville, Washington, is a global OEM supplier of fiber-optic sensors for medicine. RJC's small size, high performance, and immunity to electromagnetic noise make RJC fiber-optic pressure and temperature sensors ideally suited for integration into cardiovascular products.

said Roger Wolthuis, Manager of Operations at RJC Enterprises. *"The Datakey Electronics memory device is commercially available in high volume, and it has the ability to be sterilized—an absolute prerequisite for invasive medical procedures. The Datakey Electronics memory device not only saves us production effort, it is also pluggable, programmable, and user-friendly—ideal characteristics that ensure easy and quick integration into our sensors."*

STRINGENT REQUIREMENTS

RJC's fiber-optic one-use sensors, used for intravascular measurements in catheter/guide wire applications, must meet stringent end user requirements for sensitivity and response time. An expendable, portable, and external memory device is required to carry the factory calibration of the fiber-optic sensor to its end application.



CHOOSE DATAKEY ELECTRONICS

Datakey Electronics, Inc. designs and manufactures portable, rugged keys containing non-volatile memory. For over 25 years, our tough,

reliable, re-programmable Keys, Tokens, Receptacles, and Systems have solved data transport and access control problems in harsh environments. Our products are used in security, cashless vending, parameter control and set-up, and portable data storage applications.

READY-MADE PACKAGE

Initially, RJC Enterprises manufactured its own memory device for its fiber optic sensor products for the "throwaway" medical market but soon decided to take advantage of the ready-made package from Datakey Electronics. *"We are not in the business of making memory devices,"*



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