Data Logger Solutions

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The first mile, last mile, and all in between

It has been difficult to monitor temperature over the years and create an "A to Z" plan because we all monitor logistics differently. The manufacturer or producer sends it to a warehouse or processing location, then to the distributor, then to the store, consumer, or patient. During all of these steps, someone may be responsible for the beginning or the end, but not all the time in between, or are they? If temperature sensitive goods are spoiled or damaged, someone can get hurt, and it could cost millions!

So how do we get from "A to Z", and what about that last mile? Can the logger effectively monitor the consumer's package? If so, how do we get the data upon receipt? How long can we use the logger? What does the last mile look like?

With cloud-based programs, the management of data is easier than ever. What if we placed a small data logger in package that would monitor at the point of placing the product in the package? As it goes through your logistics chain, data is relayed to your cloud-based program, providing excursion alerts, if desired. With Bluetooth® technology, it could be simple and seamless; yes, now there is and app for that.

There are new technologies that allow "Near Field Communication", but we have to design the chain to support the plan. This means a complete change in the business process. You will have to think outside the box, to monitor what is in the box.

Technology exists today that allows us to place a small logger in a pharmaceutical package, for instance, and monitor it for up to two years. If my shelf life is two years, then I can monitor this product from "A to Z". The temperature readings can be received via any "smart" Bluetooth® enabled device at any point of packaging, storage or distribution. So before the nurse administers the drug, or the consumer uses a temperature sensitive product, there is a full reading, not only for the last mile, but the last foot.

So, what if I don't handle drugs, but have sensitive produce, or something else? The process can be the same...place the logger within a pallet, in a box, or in the trailer. Between smartphones, tablets, docking sensors and cellular tracking options, one logger can do it all, and get you the information you need.

So, why would I change what I am doing? To show a successfully managed chain of custody through all aspects of transportation. It seem seems a big focus is placed on when a product is on a truck, plane or

What is my best solution?

ship. All-important, but what about before and after the product was loaded. How many times have we heard about a refrigerator or freezer door left open, or a box left on a loading dock or tarmac, or passing through many hands before it gets to the end consumer?

So, what about ROI? What is the total cost of ownership for an effective monitoring solution, and how can we get a return on investment? Think about not only the device cost itself, but related software, user licenses, maintenance fees, report generation fees, cloud storage data fees, labor costs to comply with your internal procedures or compliance regulations, and more. It is not just the cost of the logger, but the logger program. More so, it's about your customer, and the quality and compliance you value at your organization.

It is important to understand your exact needs to identify the proper data logger program. There are many cost effective options available. It could be the re-use of a multi-purpose, validated logger is sufficient; perhaps an emailed PDF report is sufficient; or perhaps you'd like more automation in the report flow using newer technology.

We'd be happy to help you find a solution to meet your needs. Please contact:
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Know Your Costs & Identify Your Solution

Type Of Logger Needed:
- ☐ Single-Use Logger
- ☐ Single-Use Logger Recycled
- ☐ Multi-Use Logger
- ☐ Dry Ice or Cryogenic
- ☐ Enterprise System

Communication Type:
- ☐ Cellular
- ☐ Bluetooth
- ☐ NFC
- ☐ USB
- ☐ Cradle with Cable
- ☐ ZigBee or RF

Data Housing:
- ☐ Cloud Storage
- ☐ Stand Alone Computer
- ☐ Emailed Reports

Access to Data and Reports:
- ☐ Software License
- ☐ User Seats
- ☐ Stand Alone Computer
- ☐ Web Browser
- ☐ Per Generated Report

Look for what best suits your needs and budget. See if you can create a custom program with the logger you want, and make strides in continuous process improvement.