

## Case Study: Sonoco

### Background

Sonoco is a \$5 billion global provider of consumer packaging, industrial products, protective solutions and display and packaging services.



Headquartered in Hartsville, S.C., with more than 330 operations in 34 countries, they produce packaging for a variety of industries and many of the world's most recognized brands, serving customers in 85 nations.

Sonoco's operations consist of a global consumer packaging businesses –Rigid Paper and Closures, Flexibles and Plastics; their display and packaging division, which provides high-impact retail displays and packaging supply chain management; their industrial businesses, which manufacture tubes and cores, reels and spools, uncoated recycled paperboard and Sonoco Recycling, one of the world's largest recyclers; and their Protective Solutions division, which produces custom-designed protective, temperature-assurance and retail security packaging solutions and highly engineered components.



### The Challenge(s)

Sonoco uses Mesa Labs' MPIII data loggers in various environments and applications, including high-temperature and high-acidity. On occasion, it has been noted that data loggers fail for water intrusion. This may sometimes be caused by the flattening of the o-ring.



### The Solution(s)

Mesa Labs is committed to continual improvement of our products, as well as increased education to gain the best performance of our products for our customers. We suggest a parameter of 25% battery life be a marker for the battery to be replaced. When customers order new batteries from Mesa for their data loggers, a new o-ring and silicone are automatically included in the order. For each battery replacement, Mesa suggests replacing the o-ring, and applying a thin layer of silicone grease to increase the fluid barrier.

We also intend on distributing our simple-to-follow battery replacement instructions with each battery and data logger order. This will provide better instructions for our clients on best practices.

