

PRECISION THAT HELPS SAVE LIVES

AOP Technologies, a leading distributor of pneumatic, automation, fluid-handling and seal components, was recently tasked with developing a new electronic monitoring solution for a customer that builds defibrillators for the medical market.

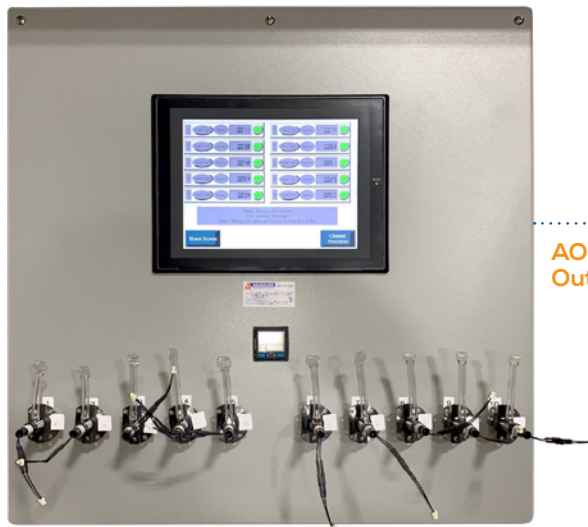
Challenge

Defibrillators feature a cuff that measures a patient's blood pressure – yet this critical connection was the only piece that couldn't be monitored electronically.

After five years of research and development with a pneumatic coupling manufacturer, a unique "smart coupling" solution was created to reliably monitor the cuff-to-defibrillator connection.

In order to meet the customer's meticulous leak rate specifications, AOP Technologies needed to engineer a custom-built leak detection device for use during testing.

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AOP Leak Tester -
Outside View

This kind of testing device required a high-precision, high-performance transducer, so AOP Technologies investigated numerous designs available on the market. They needed a product that offered stability, accuracy, programmability and ease of use.

