



CIGARETTE QUALITY CONTROL AND PRODUCTION

PRODUCT: Model 239

APPLICATION DETAILS:

The customer is a UK-based manufacturer of precision test and measuring equipment for the tobacco industry. With a full range of smoking machines, production test stations and laboratory instruments, the customer offers quality assurance and process control, covering smoke and product testing. Their devices auto-sample and auto-calibrate through to a manually fed, portable, individual measurement device. The cigarette filter limits the nicotine, tar, and fine particles that are ingested by consumers.

CUSTOMER PROBLEM:

Customer product obsolesces, aggressive delivery schedule, low ranges

The customer was using a sensor that was designed into their original enclosure, but was made obsolete. The updated sensor was too large and couldn't fit in the designed enclosure, which slowed down testing and production. The customer also had an aggressive delivery schedule, which was difficult for most suppliers to meet. Finally, the customer had demanding low range pressure requirement for their machines, down to 20 Pa (0.08" W.C.).

SETRA SOLUTION:

The Model 239 provides the customer with a small footprint that can easily fit in their existing enclosure. The Model 239 has standard pressure ranges of 0.5" W.C. unidirectional to 10 PSID, so Setra developed a custom sensor to meet the 20 Pa (0.08" W.C.) range required. Setra was also able to include a custom mounting bracket. Finally, Setra was also able to keep on schedule with the customer's aggressive product delivery requirements.



WHY SETRA WON:

Provided drop-in replacement to meet delivery schedule

As a result of the Model 239 drop-in replacement sensor, the customer was able to maintain equipment quality without slowing down production. Setra's Model 239 replaced the old designed in sensor because of the ability to provide a sensor that's compatible with the customer's designed enclosure, low range requirements, and high performance demands of their industry.

SETRA STRENGTHS

- Fast Warm-Up
- Low Thermal Effects
- $\pm 0.14\%$ FS Accuracy
- Withstands High Overpressure
- Fast Response Time