



Why a brake manufacturer upgraded 12-gas flowmeters to new technology

Find Out Why



Outdated Metering Technology

A brake manufacturer purchased capital equipment consistently from 2008 thru 2017 to enhance their process. Each time, the problem the supplier created with the capital equipment was using outdated metering technology which resulted in slower response to process changes and an inability to capture accurate data. Their metering was unable to be reprogrammed for changes in gas type and changes in gas composition, which led to on inaccuracy. There was also the inability to calibrate existing technology without expensive shutdowns to send off outdated meters for independent calibration. Whether it's for their flare, vent, or fuel gases they were left without the ability to receive reliable data which increased gas costs.

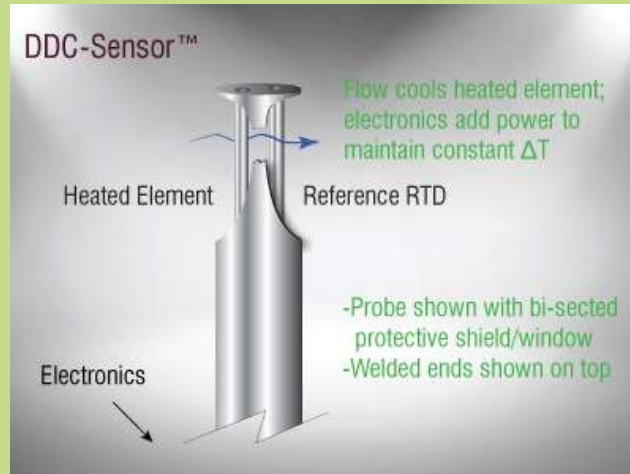
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Engineering Designs from 1994, 2003, 2012 & 2014, Respectively

They could not optimize & simplify their processes for gas analysis, boilers, furnaces and oxidizer applications with outdated technology designs such as scientific notation displays, the inability to check calibration in the field, metering only capable of measuring a single gas and analog sensors. These 4 (once popular) designs cannot independently compensate for changes critical to accuracy to reduce operational, maintenance and overall gas costs.

Learn about DDC SENSORS



Single Gas Flow Metering

The simple truth is natural gas is mostly methane, however the composition % changes from supplier to supplier, state to state. With fixed calibration to only one gas or gas type limited the performance on gas metering, resulting in poor repeatability of flow rates, thus decreasing product quality. A nightmare for gas consumption accountability.

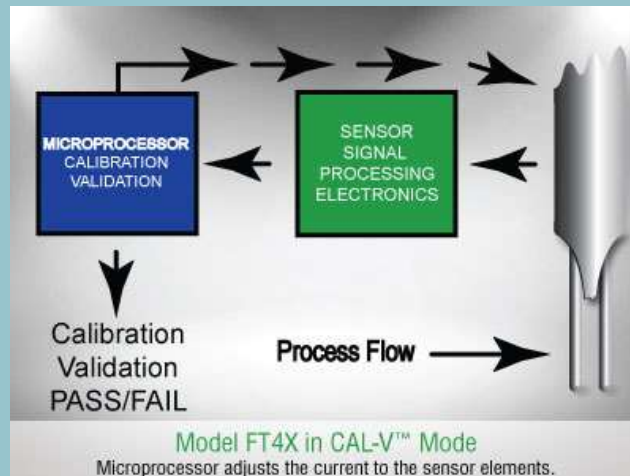
Learn More about GAS-SELECTX



3-Applications, 3-Different Challenges in Flow Metering

Tony B.-the instrument tech at the plant was monitoring analyzers, process heating equipment and oxidizers with each application having unique characteristics that require special calibration for changes in line sizes, for changes in flow rates, and changes in gas type/composition. More off-site calibration required more maintenance issues, critical lost downtime, re-installation, operational and maintenance costs. He needed something more suited to meet his on-site calibration needs.

[Learn about CAL-V Calibration Validation](#)



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