

Success Story - Testimonial

DryCal Ultra Low Flow Cell provides COST and TIME savings.



Background: The user has a need to calibrate mass flow controllers (MFC) utilized in environmental sampling. They chose DryCal for the accuracy of measurement and ease of use of the instruments. In addition to the primary volumetric standards, the DryCal NVLAP audited manufacturing facility provides NIST traceability and peace of mind.

Situation: The user utilizes a ML500 system to perform a 20pt calibration of their MFCs. The lowest gas flow calibration point is at 1 sccm. Since this flow point is not within the range of the ML500-10 cell of 5 sccm to 500 sccm, they were looking to improve both the accuracy and the measurement time of low flow calibrations.

Solution: The DryCal 800-3 cell has a flow range of 0.5 sccm to 50 sccm. The user has 20 calibration points within this flow range. By utilizing the DryCal 800-3 cell instead of the ML500-10 cell for these low flow points, the user not only saves measurement time, but also money.

“The ultra low flow cell is working great. What had in the past taken 1.5 -2 days to perform a 20 point calibration on a gas MFC, now it takes only a day. The flow cell is fast for the low flows and is saving us a lot of time while giving us the accuracy that we need.”

-Gary A, Quality Assurance, Environmental Program Specialist, Oklahoma City, Oklahoma

ROI was calculated at ~ 1 year

- 2 MFC calibrations per week
- 12 hours saved per calibration by utilizing the DryCal 800-3 cell
- This saves the user 24 hours per week, using the technician salary and the price of the DryCal 800-3 cell.



Mesa's Butler, N.J. manufacturing facility (pictured above) is our NVLAP accredited ISO 17025 laboratory.