

BEAMLINE SERVICE REPORT

Date of work: 9-27-2004 through 10-1-2004
Beamline/Stn: 31-ID-C
Requestor: John Koss and Mohan Ramanathan
Component: PSS mask
Technician(s): G. Moonier, R. Wright, R. Furst

Summary of work:

1. Replaced existing DP (0-150 psig) transmitter with “FLOW” transmitter (0-50 inWC). This replacement had not yet been done previously as the component was previously monitored on BL-EPS with “flow” and “DP”.
2. After replacing transmitter, it was extremely difficult to bleed the 1/8” capillary lines. The reason for this difficulty was believed to be the fact that the orifice plate is mounted at the same elevation as one transmitter and higher than the other. This requires air bubbles to be vented in a downward direction (not a natural venting path for air bubbles).
3. The 1/8” sensing lines for these two transmitters were abandoned. The transmitters were connected with 1/4” diameter flexible SS hoses. After connecting the hoses to the transmitters, but prior to fastening the transmitters to the mounting plate, the transmitters were lifted up to an elevation higher than the orifice. Bleeding was done in this position. The transmitters were then fastened to the mounting plate.
4. The output of both transmitters was verified against a Yokagawa DP transmitter.
5. Flow was measured with an ultrasonic flow meter at 1.9 gpm.