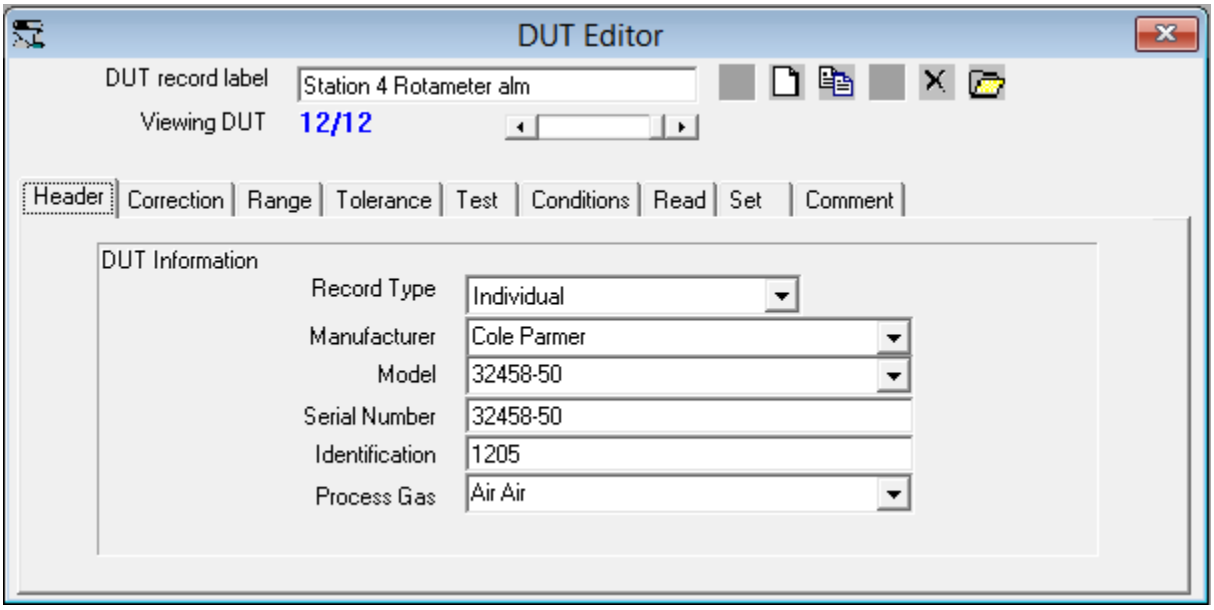
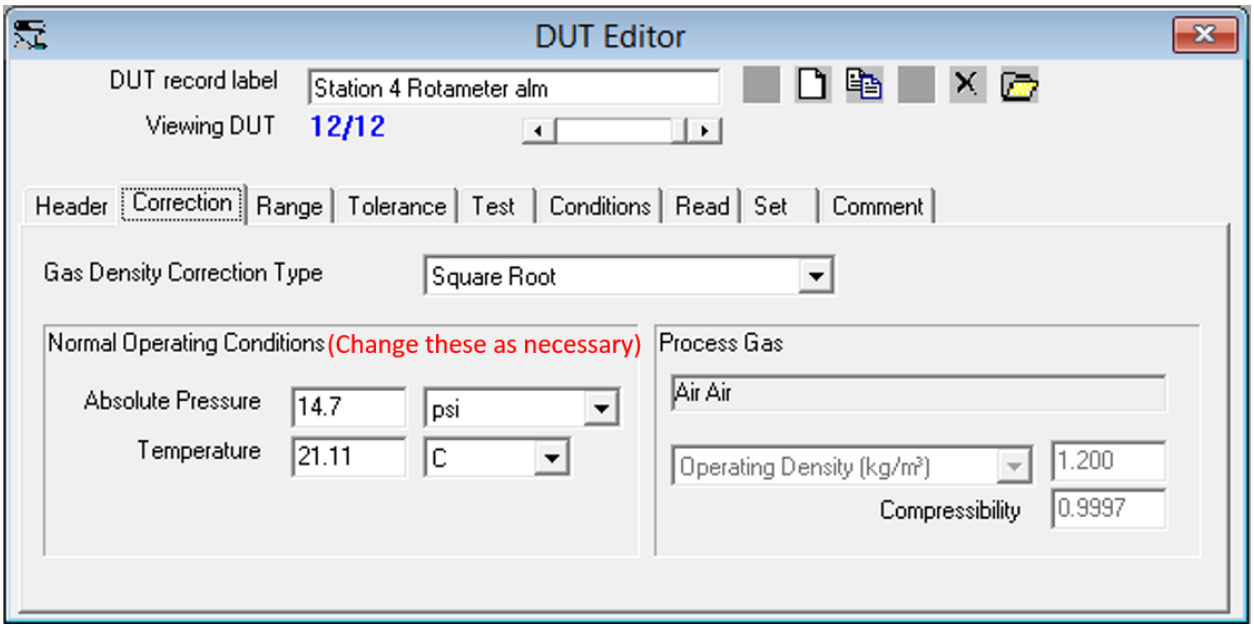
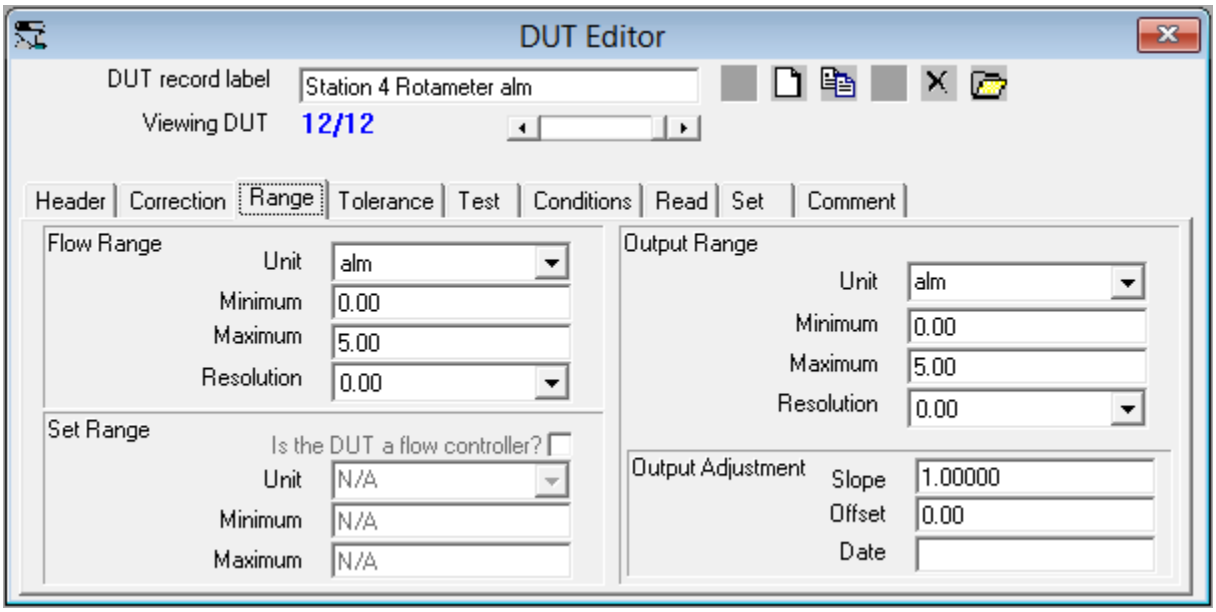
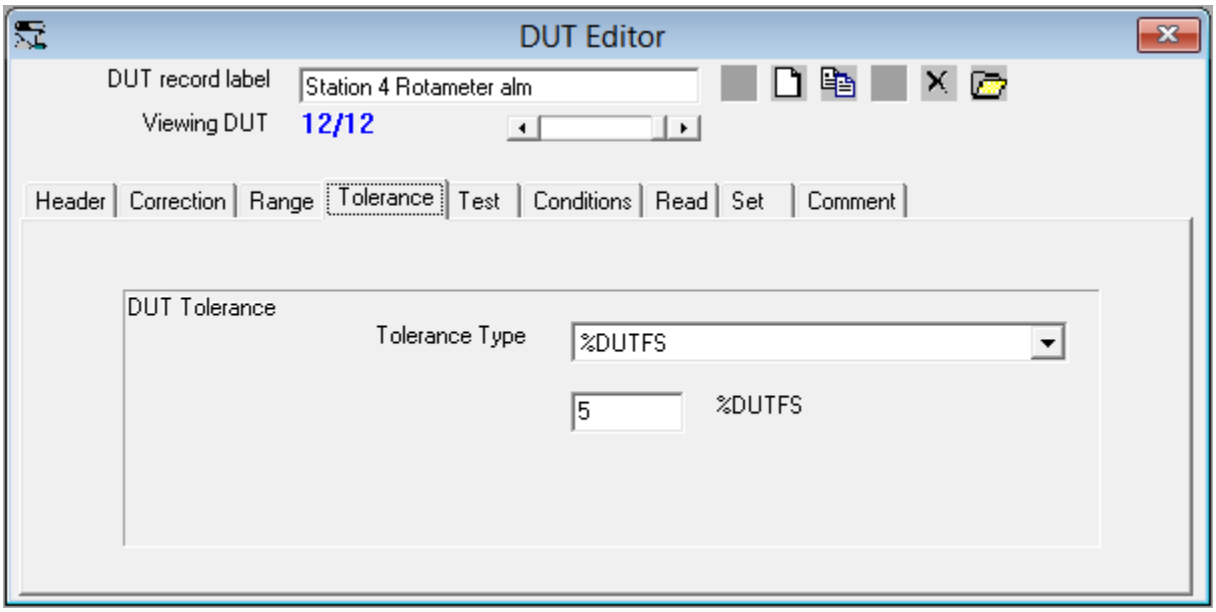
Flow Training Class - Station 4 COMPASS for molbox Setup

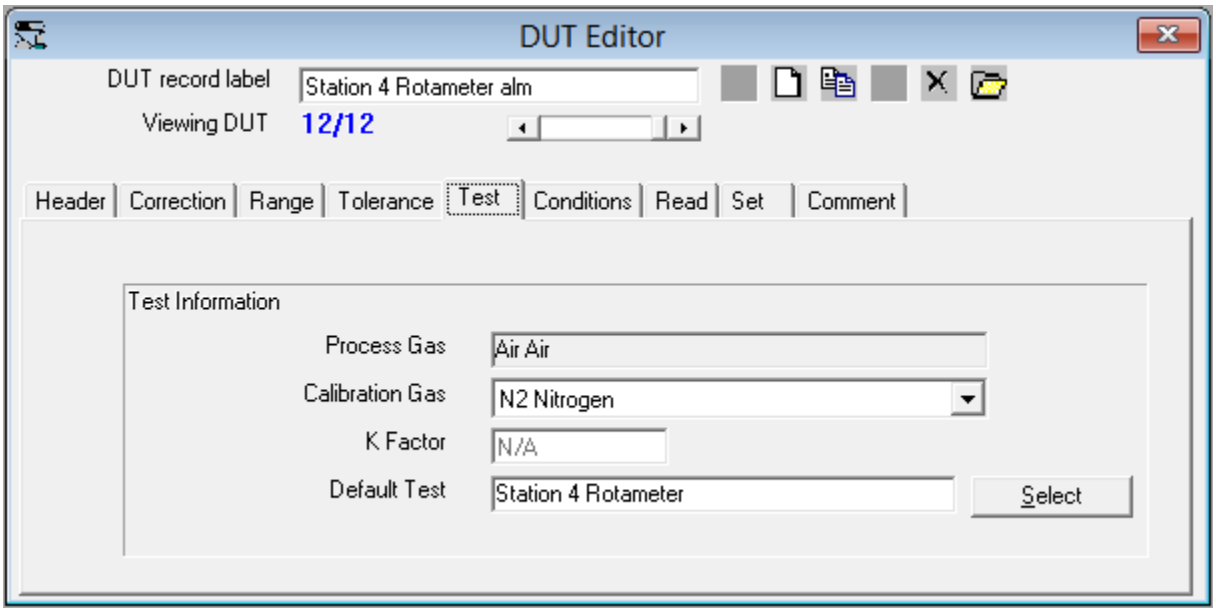
DUT setup for 5 liter per minute (volumetric flow, not mass flow) rotameter that is manufactured for use in air (but run in nitrogen) with outlet at 14.7 psi and 70F (21.11C)

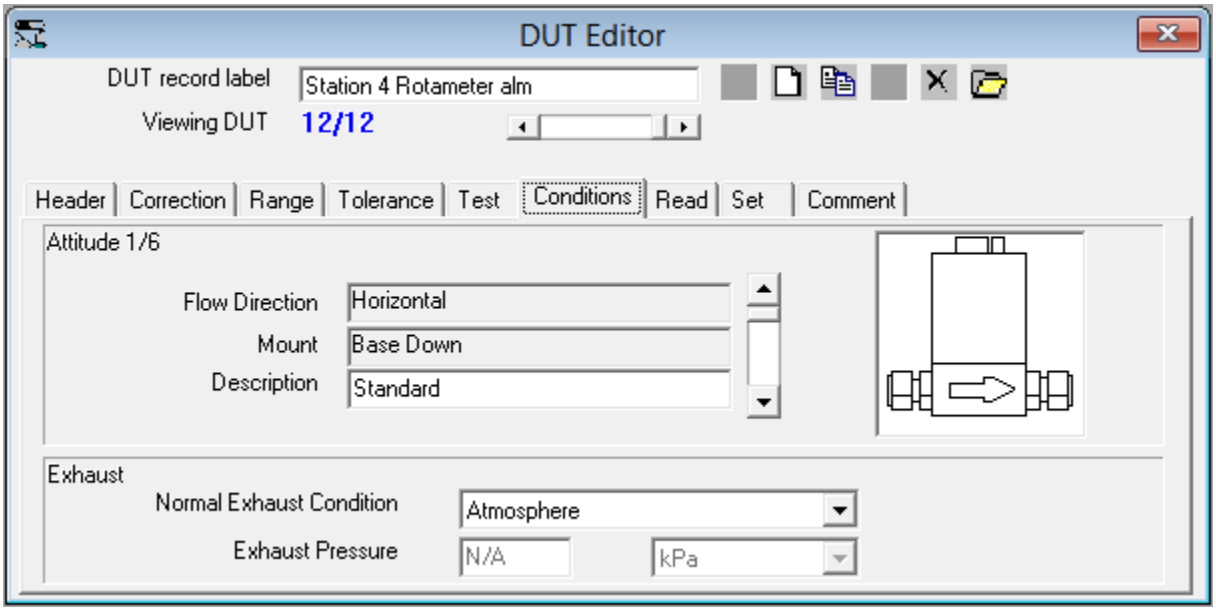


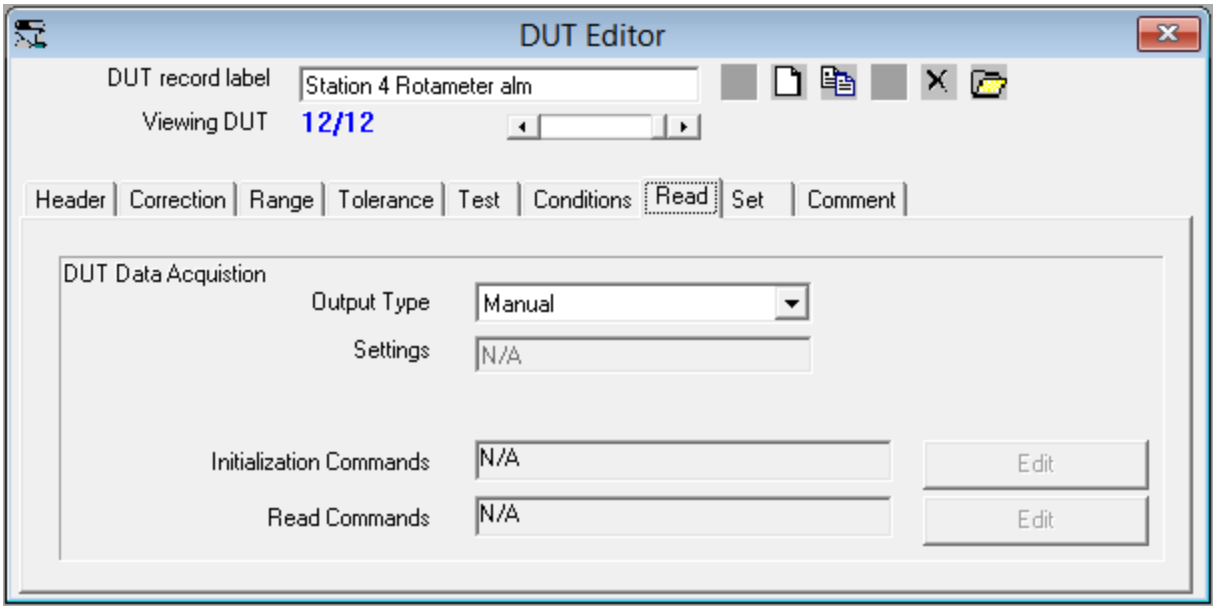


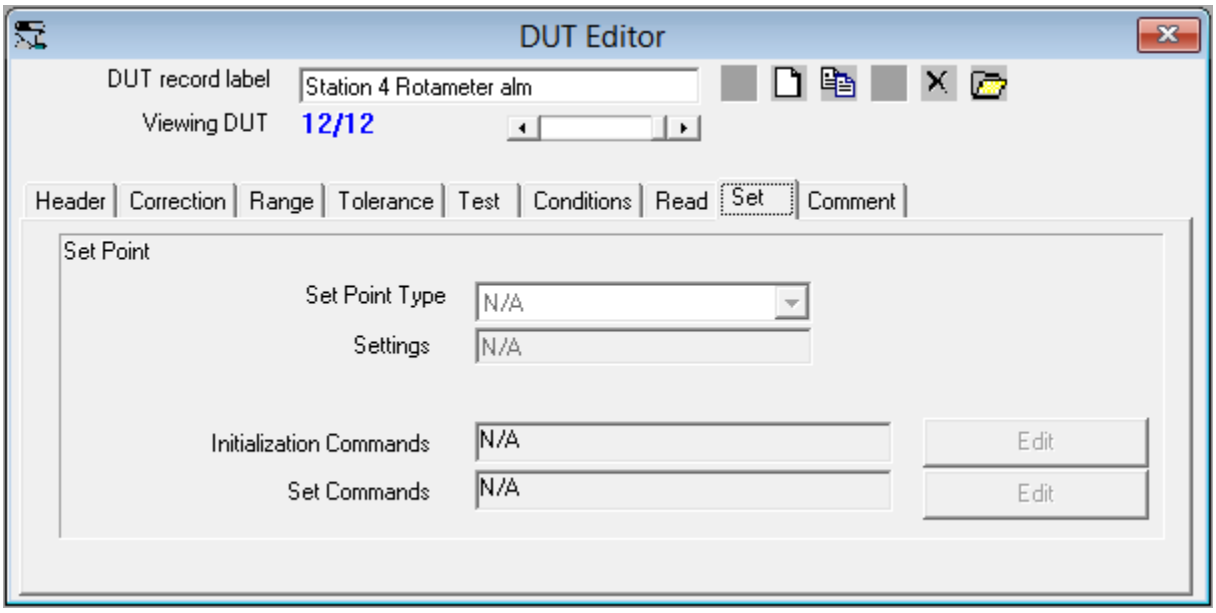

DUT Editor
DUT record label
Station 4 Rotameter alm
Viewing DUT
12/12
Header
Correction
Range
Tolerance
Test
Conditions
Read
Set
Comment
Flow Range
Unit
alm
Minimum
0.00
Maximum
5.00
Resolution
0.00
Set Range
Is the DUT a flow controller?
Unit
N/A
Minimum
N/A
Maximum
N/A
Output Range
Unit
alm
Minimum
0.00
Maximum
5.00
Resolution
0.00
Output Adjustment
Slope
1.00000
Offset
0.00
Date


DUT Editor
DUT record label
Station 4 Rotameter alm
Viewing DUT
12/12
Header
Correction
Range
Tolerance
Test
Conditions
Read
Set
Comment
DUT Tolerance
Tolerance Type
%DUTFS
5
%DUTFS

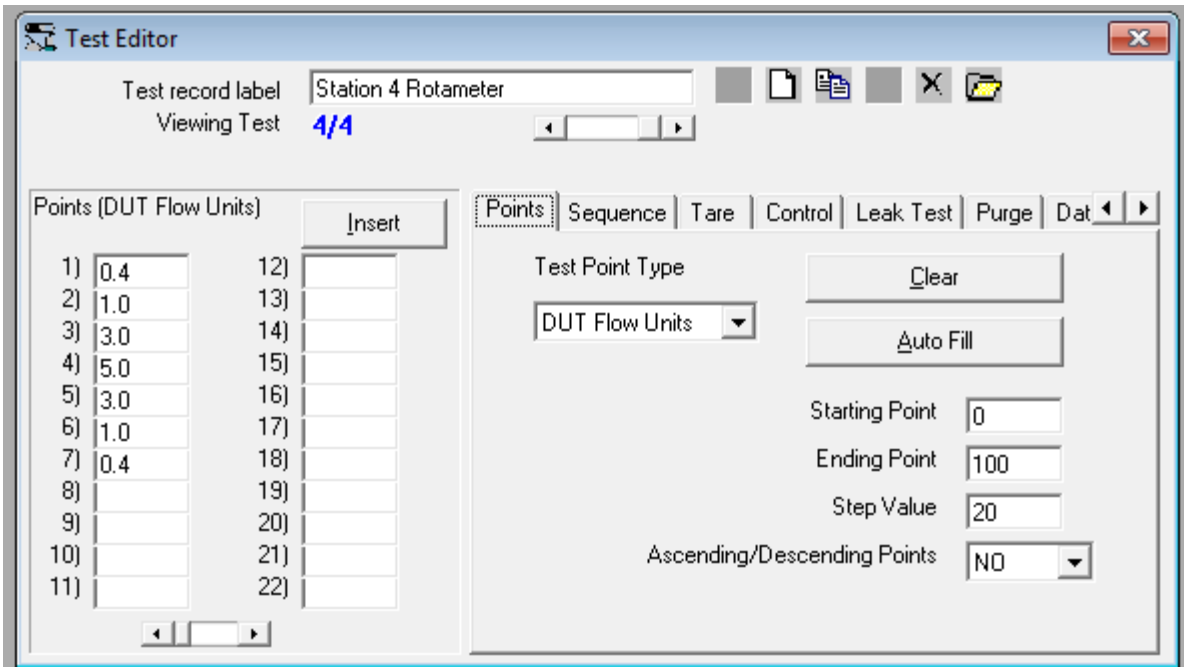

DUT Editor
DUT record label
Station 4 Rotameter alm
Viewing DUT
12/12
Header
Correction
Range
Tolerance
Test
Conditions
Read
Set
Comment
Test Information
Process Gas
Air Air
Calibration Gas
N2 Nitrogen
K Factor
N/A
Default Test
Station 4 Rotameter
Select

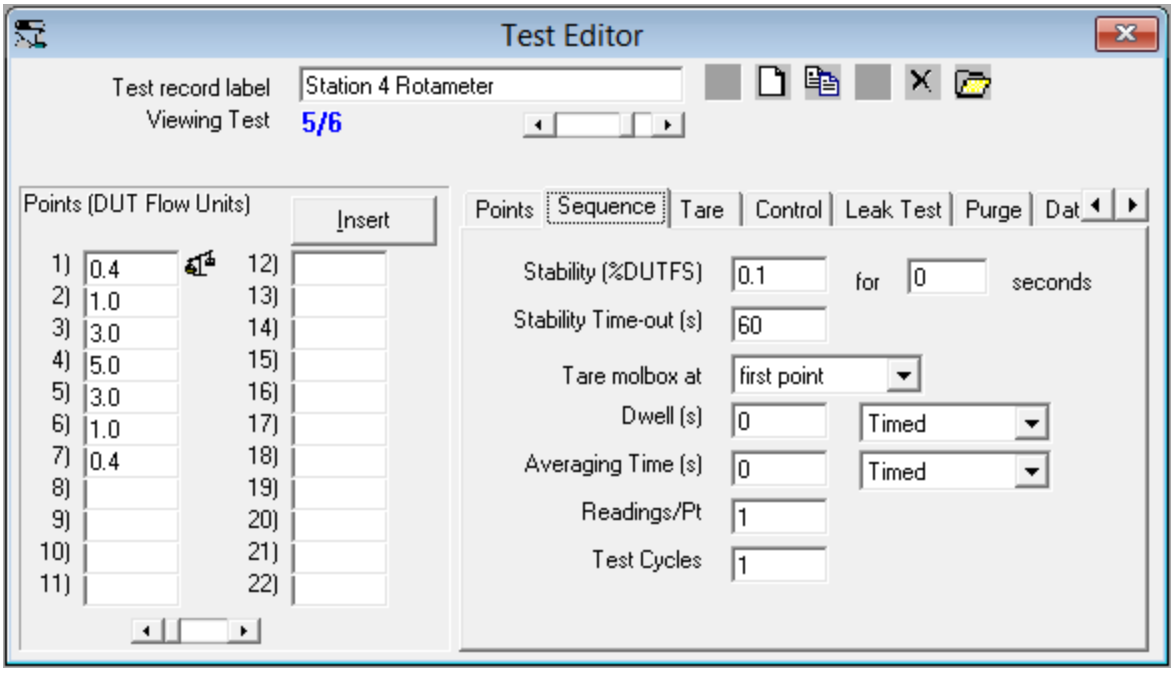

DUT Editor
DUT record label
Station 4 Rotameter alm
Viewing DUT
12/12
Header
Correction
Range
Tolerance
Test
Conditions
Read
Set
Comment
Attitude 1/6
Flow Direction
Horizontal
Mount
Base Down
Description
Standard
Exhaust
Normal Exhaust Condition
Atmosphere
Exhaust Pressure
N/A
kPa


DUT Editor
DUT record label
Station 4 Rotameter alm
Viewing DUT
12/12
Header
Correction
Range
Tolerance
Test
Conditions
Read
Set
Comment
DUT Data Acquistion
Output Type
Manual
Settings
N/A
Initialization Commands
N/A
Edit
Read Commands
N/A
Edit

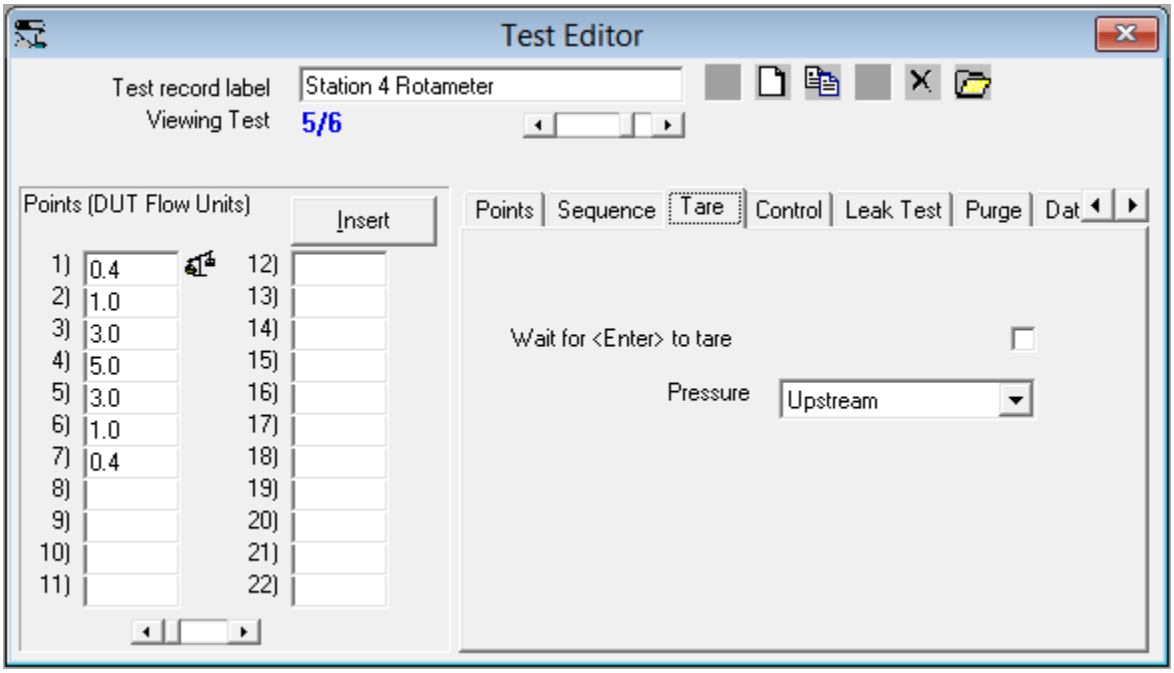


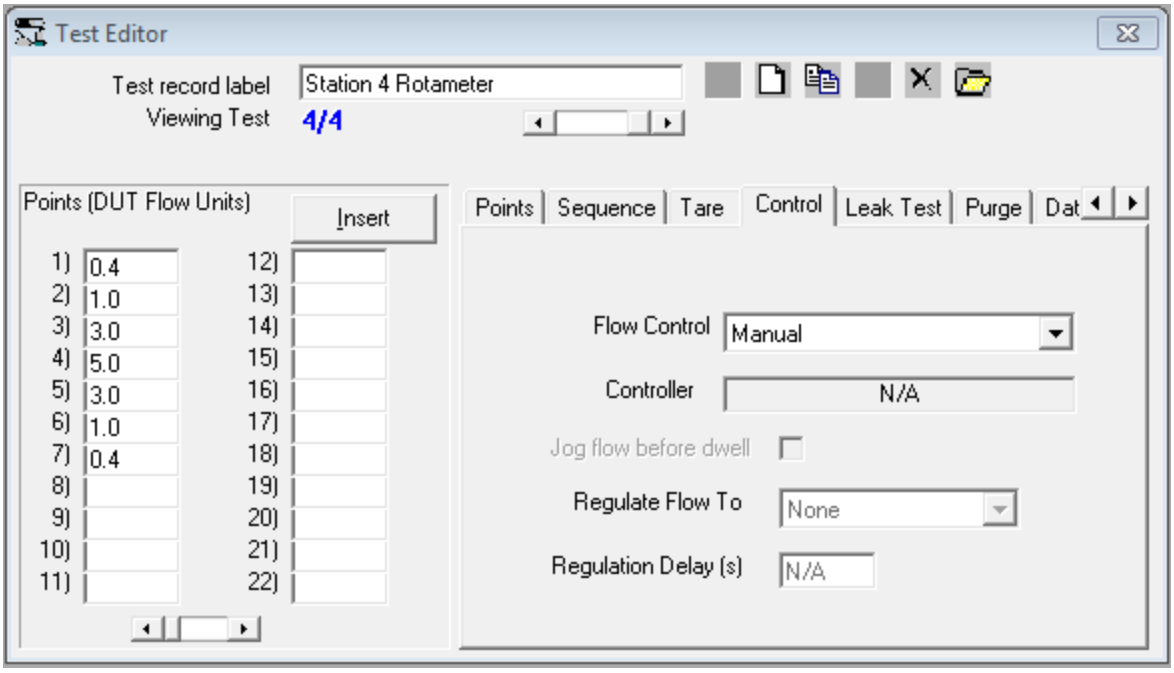
Test setup for 5 liter per minute (volumetric flow, not mass flow) rotameter



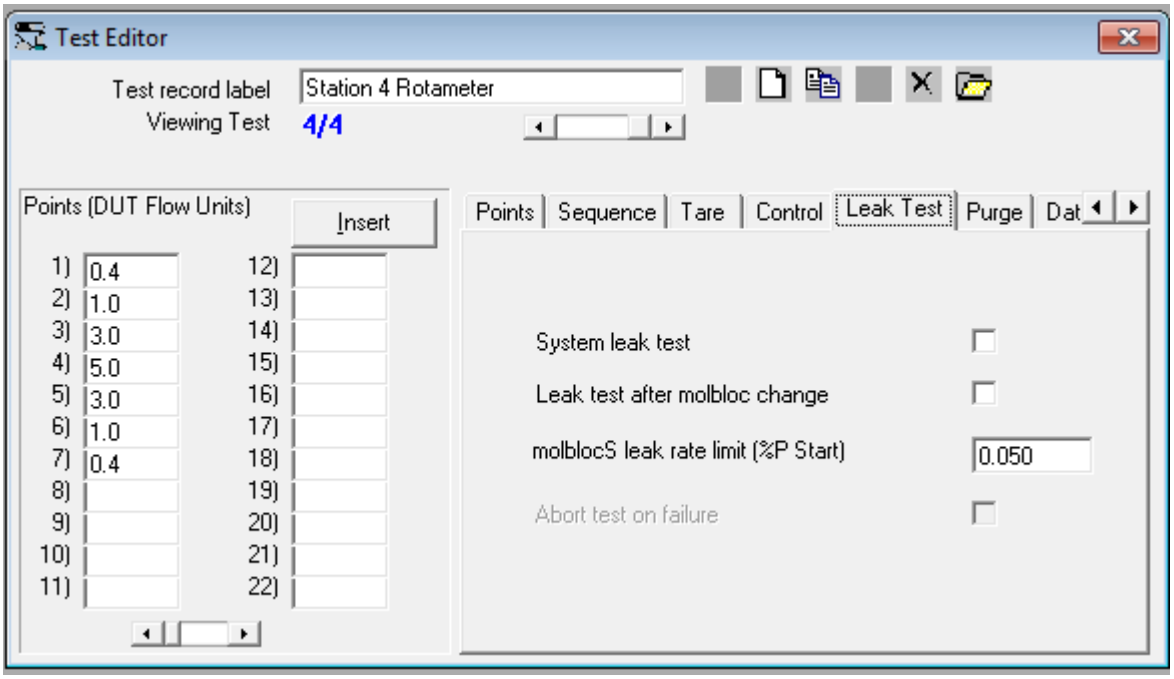


We do a manual tare before the test also so the tare in the test is optional

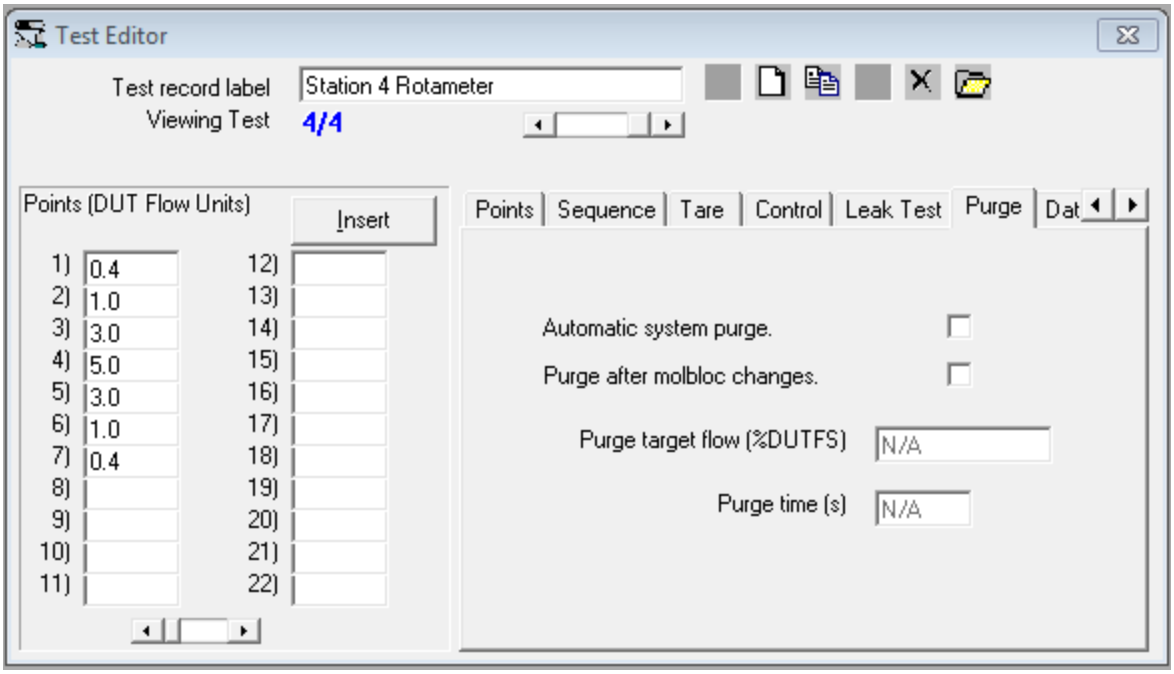


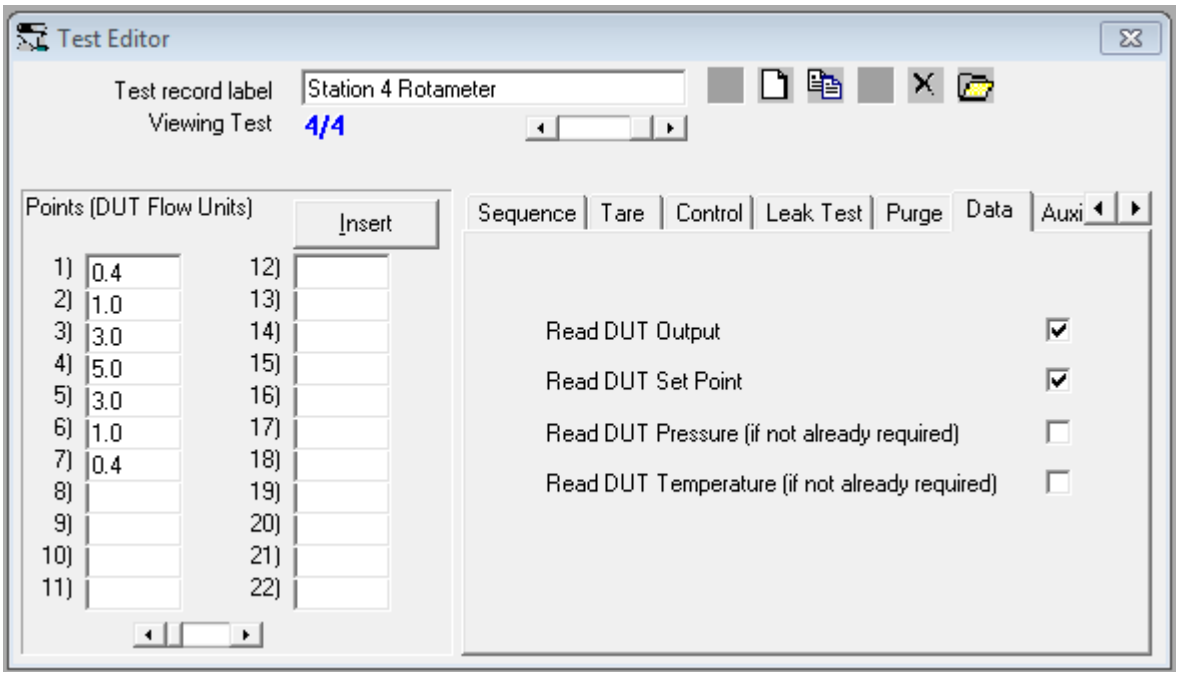


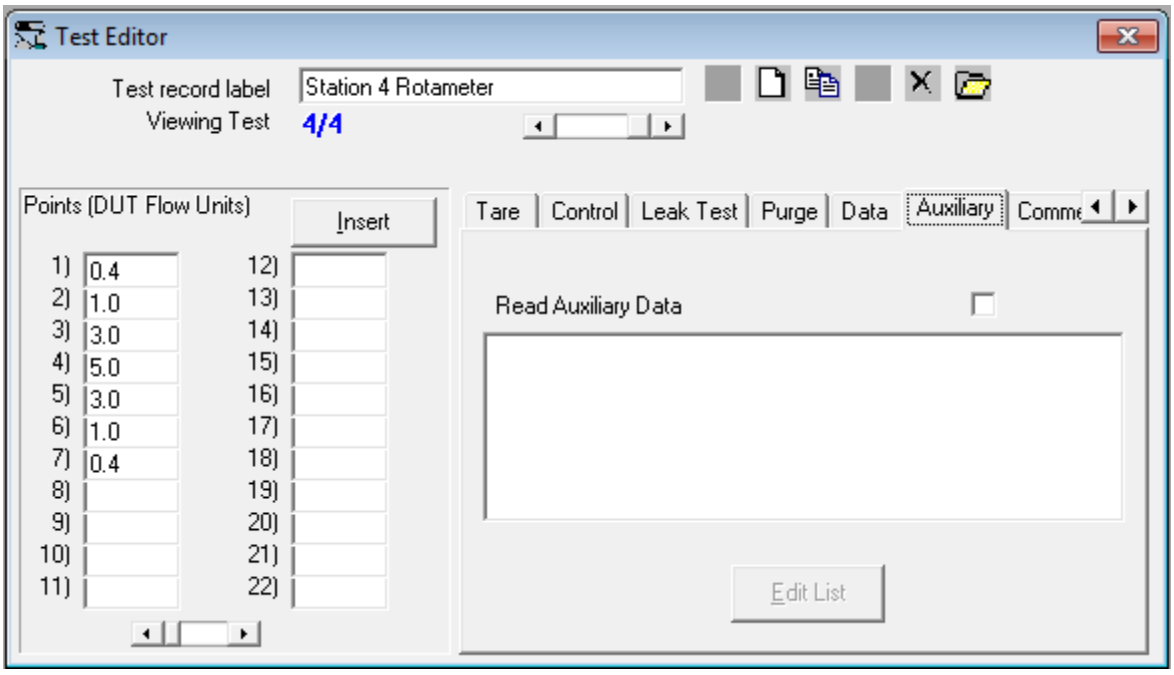
We leak test manually before the test



We didn’t purge. Flow is high enough to purge any existing air






Test Editor
Test record label
Station 4 Rotameter
Viewing Test
4/4
Points (DUT Flow Units)
Insert
1) 0.4
2) 1.0
3) 3.0
4) 5.0
5) 3.0
6) 1.0
7) 0.4
8)
9)
10)
11)
12)
13)
14)
15)
16)
17)
18)
19)
20)
21)
22)
Tare
Control
Leak Test
Purge
Data
Auxiliary
Comme
Read Auxiliary Data
Edit List