

TSI VelociCalc 9555/9565 Quick Tips for Pressure Testing

For complete documentation, see <http://mobibrix.com/ODKVGG>

1. Probe Sampling

- a. Connect probe to bottom of instrument, and turn the instrument on

- b. To change the readings displayed on screen...

1. Select [Menu] softkey
2. Select **Display Setup**
3. Use the softkeys to select display values
(**Primary** sets value to a larger font to make it more visible to the user)

- a. 964 probe – Flow, Temperature, and %rH set to **ON**
- b. 982 Probe – CO, CO₂, Temperature and %rh set to **ON**
- c. 985 Probe – VOC and Temperature set to **ON**
- d. 995 Probe – Flow and Temperature set to **ON**

4. Press [Enter] to save changes.

- c. Set up data logging values

1. Select [Menu] softkey
2. Select **Data Logging**
3. Select **Measurements**
4. Select values to be logged by instrument
 - a. **ON** = Measurement is logged to memory
 - b. **Display** = Measurement will be logged if it is displayed on the main screen
 - c. **OFF** = Unit will not save data for that value

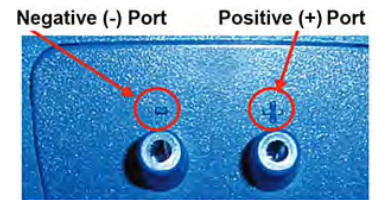
- d. Hold probe to take samples

- e. [NEXT TEST] key saves data up to the point it is pressed and begins a new session



2. Differential Pressure Testing

- a. Connect the two lengths of neoprene tubing to the positive and negative ports at the top of the instrument
- b. Place the free end of the positive port tubing in the area being tested
- c. Place the free end of the negative port tubing in the control/ambient zone
 1. A positive reading means the variable/sample (+) zone is higher pressure than the control/ambient (-)
 2. A negative reading means the control/ambient zone (-) is higher pressure than the variable/sample (+) zone



3. Static Pressure Testing

- a. Connect one length of neoprene tubing to the positive port at the top of the instrument
- b. Keep the negative (-) port open to measure ambient conditions
- c. Attach the static pressure tip to the tubing on the positive (+) port
- d. Point the static pressure tip *directly into airflow* to get an accurate reading
 1. Positive reading means the pressure in the duct is higher than the measured ambient conditions
 2. Negative reading means the pressure in the duct is lower than the measured ambient conditions

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