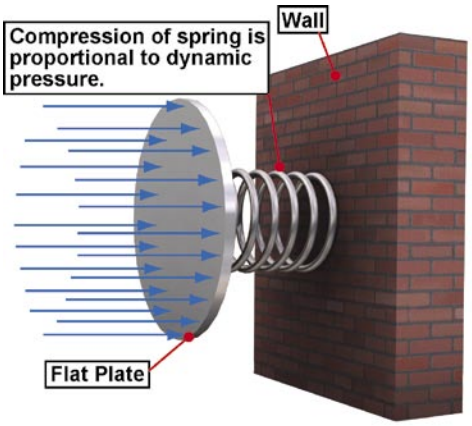

Figure 3.15 Dynamic pressure: Airflow striking a plate.

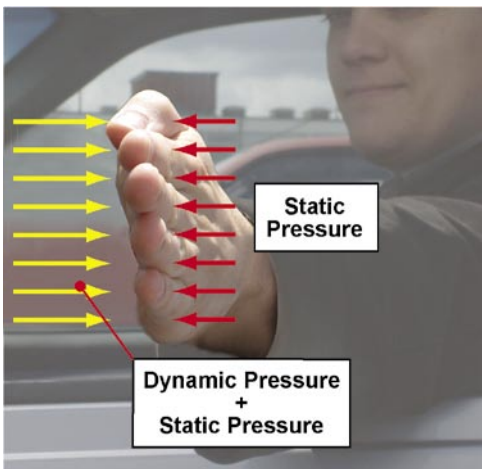

Figure 3.16 You can feel ***dynamic pressure*** for yourself.

The total pressure in an ideal airflow is equal to dynamic pressure plus static pressure, and is a constant.

directions - **pressure energy** is referred to in most text books for pilots as **static pressure**. So, if we think of all the energy in a moving mass of air as being pressure, we can re-state **Bernoulli's Principle** for airflow as follows:

Total Pressure = Dynamic Pressure + Static Pressure = Constant

In a horizontal ideal airflow around a wing, when dynamic pressure increases, static pressure decreases, and vice versa.

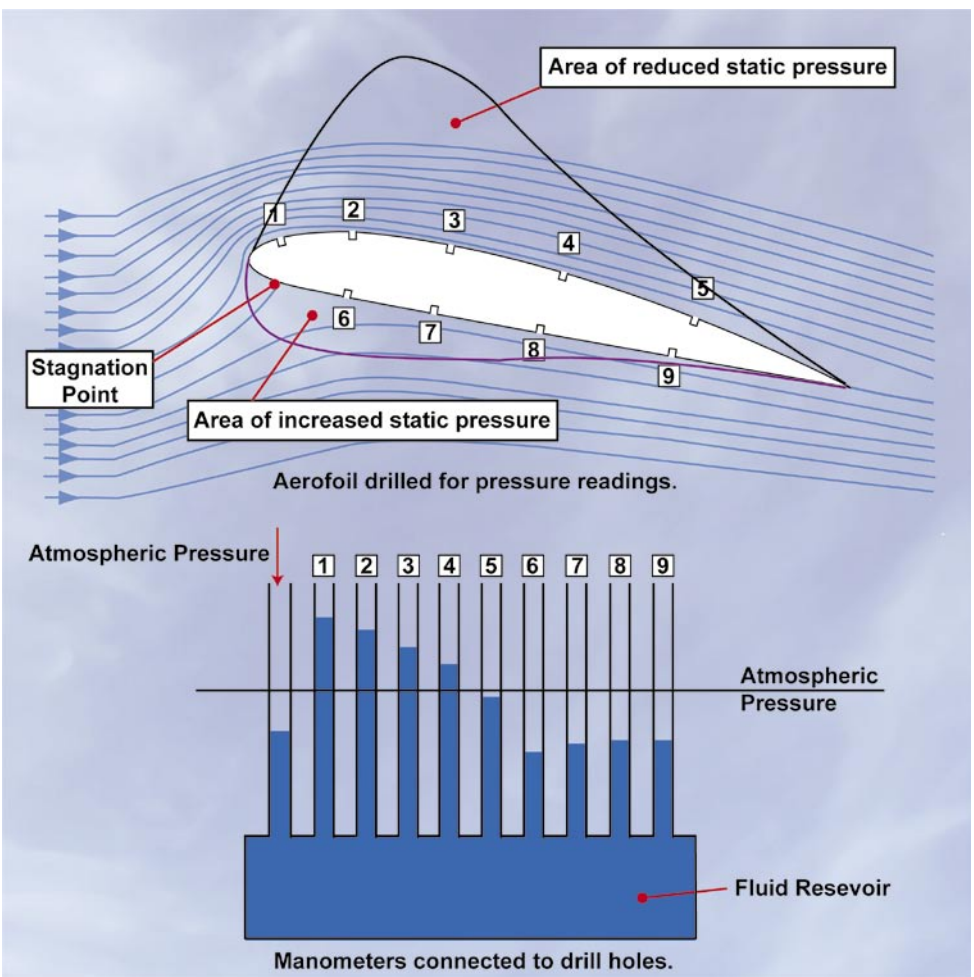

Figure 3.17 Measuring static pressure around a wing.