

## Station Pressure

From the user, a station elevation ( $h$ ) and an altimeter setting ( $P_a$ ) are given. Before calculation the station pressure, the station elevation must be converted to meters ( $m$ ) using the formula below:

$$h_m = 0.3048 \times h_{ft}$$

Also, the altimeter setting must be converted to inches of mercury ( $inHg$ )

For information on how to convert pressure, use the link below:

[Pressure Conversion](#)

Then, the station pressure ( $P_{stn}$ ) can be calculated using the formula below:

$$P_{stn} = P_a \times \left( \frac{(288 - 0.0065 \times h_m)}{288} \right)^{5.2561}$$

Then, the station pressure can be converted to other pressure units, using the link above.