

Updated in November 2023 to include the effect of humidity in the density altitude calculation.

Use the toggle switch to deselect the dew point temperature if unknown. The calculation will then proceed with a dry air approximation.

Airport Altitude

ft



Air Temperature

°F



Dew Point Temperature



Dry Air Approximation

Airport QNH

inHg



Reset calculator

Results

Alt: 4 ft | OAT: 93 °C | Dew Pt: 75 °C | QNH: 30.08 inHg | RH: 56.02 %.

Pressure Altitude

ft



Density Altitude

ft



Air Density: 1.143 kg/m³.

Absolute Air Pressure: 30.076 inHg.