# Air Pressure Calculations

## Troposphere (<= 11km)

**Assuming Pressure and Temperature at Mean Sea Level (MSL) are Known**

Where,

**Finding Pressure and Temperature at MSL with Temperature and Pressure at Known Height**

Where,

Deriving for

Deriving for

## Stratosphere (> 11km and < 20km)

Where,

## References

<https://www.mide.com/air-pressure-at-altitude-calculator>