

Showalter Index

From the user, an environmental temperature (T_{env}) and a parcel temperature (T_{parcel}) in degrees Celsius ($^{\circ}\text{C}$).

If the user needs to convert the temperatures from degrees Fahrenheit ($^{\circ}\text{F}$), see the link below:

[Temperature Conversion](#)

Then, the Showalter Index ($Index_{Showalter}$) can be calculated using the formula below:

$$Index_{Showalter} = T_{env} - T_{parcel}$$