

## Humidity Management System (HMS) for monitoring the %RH & Controlling Humidifier



# HMS

Temperature and humidity play very critical roles at all stages of tea processing. At present, tea processing factories are mostly using the old conventional dry and wet bulb thermometers to manually monitor both these parameters (temperatures and the corresponding value of % RH) are obtained from the standard psychometric chart, which may not be accurate at all times.

TO OVERCOME this, Stesalit has developed Microcontroller based Humidity Management System (HMS), which senses the dry and wet temperatures of air through a highly reliable and accurate temperature sensor and directly computes the %RH based on psychometric logic embedded inside the system and accordingly it controls the humidifier electronically and maintains the RH value within the preset limit.

Moreover, it also has Interface facility via Wire/Wireless communication (PC) for remote monitoring (Optional).

### Salient Features/ Advantages

- Accurately determines the relative Humidity (%RH), calculated from dry & wet temperature based on psychometric logic electronically.
- Controls the humidifier (Optional) and maintains the %RH value within the preset limits.
- Interface facility via Wire/Wireless communication (PC) for remote monitoring (Optional).