

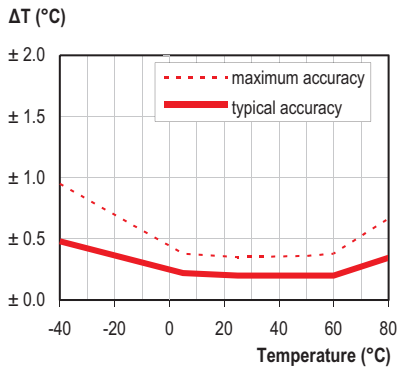
# EL-MOTE-TH+

High Accuracy Temperature & Humidity  
Cloud-Connected Data Logger

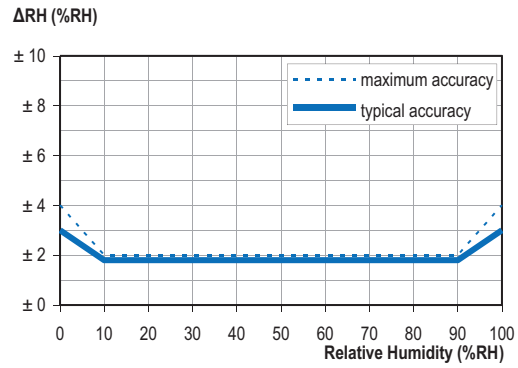


## SENSOR ACCURACY & INFORMATION

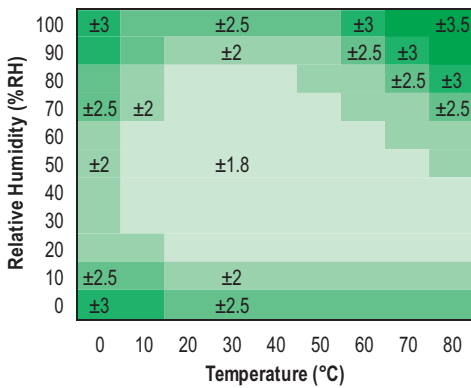
Typical and maximal tolerance for temperature sensor in °C.



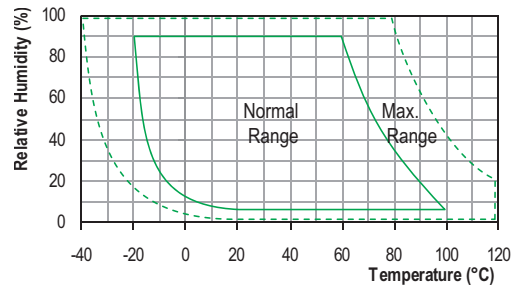
Typical and maximal tolerance at 25°C for relative humidity.



Typical accuracy of relative humidity measurements given in %RH for temperatures 0 to 80°C.



Operating conditions



Long term exposure to humidity levels outside of the 'normal' range may temporarily offset RH measurements ( $\pm 3\%RH$  after 60 hours). Once returned to less extreme conditions the device will slowly return towards calibration state.

When tracking changes in ambient conditions, the response time of the humidity sensor in your data logger is approximately 20 minutes to reach 90% of the reading. However, if you are measuring step changes in humidity (for example if calibrating the product) it is advised that you leave the unit for up to four hours to ensure that it has enough time to settle at the new level.

It is worth remembering that the value of relative humidity is of course sensitive to temperature variation. As an example, at a relative humidity of  $\sim 90\%RH$  at ambient temperature, a variation in temperature of  $1^\circ C$  will result in a change of up to  $-5\%RH$ . Therefore when comparing multiple devices or calibrating them, any temperature variations must be considered.