Supplementary Materials: Uncertainty Analysis in Humidity Measurement by the Psychrometer Method

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Supplement figures legends

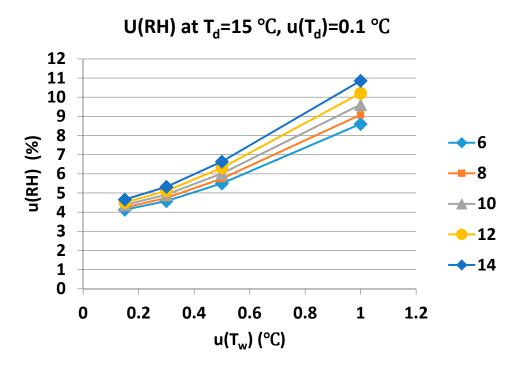


Figure S1. Uncertainties of relative humidity calculated with Equation (15) at $T_d = 15$ °C, $u(T_d) = 0.10$ °C, $T_w = 6 \sim 14$ °C and $u(T_w) = 0.1 \sim 1$ °C.

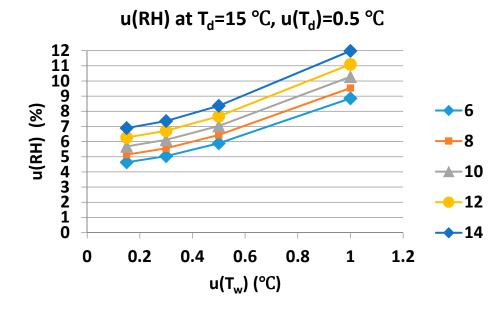


Figure S2. Uncertainties of relative humidity calculated with Equation (15) at $T_d = 15$ °C, $u(T_d) = 0.50$ °C, $T_w = 6 \sim 14$ °C and $u(T_w) = 0.1 \sim 1$ °C.

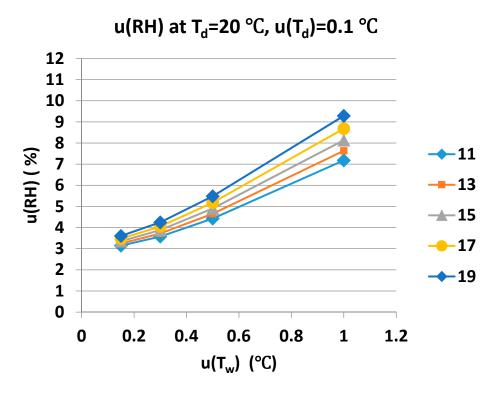


Figure S3. Uncertainties of relative humidity calculated with Equation (15) at $T_d = 20$ °C, $u(T_d) = 0.10$ °C, $T_w = 11 \sim 19$ °C and $u(T_w) = 0.1 \sim 1$ °C.

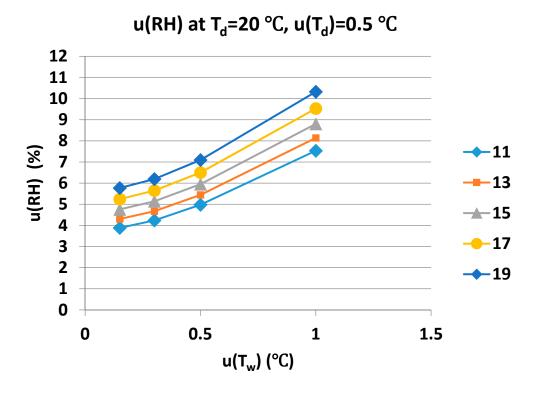


Figure S4. Uncertainties of relative humidity calculated with Equation (15) at $T_d = 20$ °C, $u(T_d) = 0.50$ °C, $T_w = 11 \sim 19$ °C and $u(T_w) = 0.1 \sim 1$ °C.

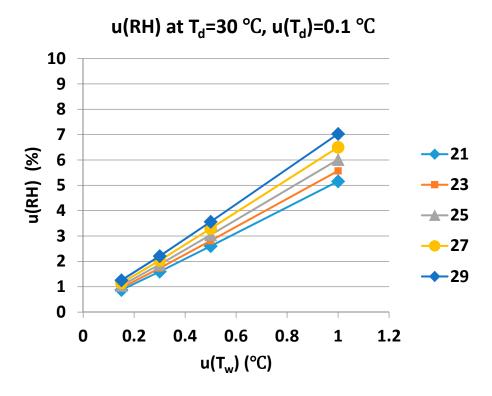


Figure S5. Uncertainties of relative humidity calculated with Equation (16) at $T_d = 30$ °C, $u(T_d) = 0.10$ °C, $T_w = 21 \sim 29$ °C and $u(T_w) = 0.1 \sim 1$ °C.

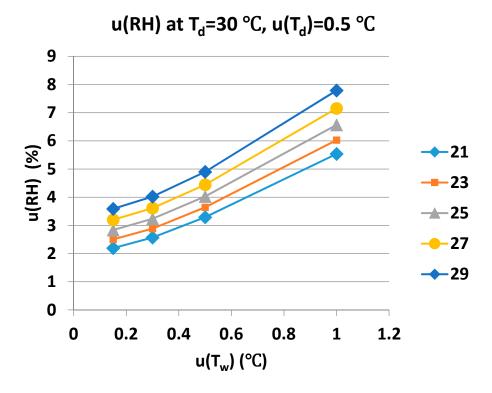


Figure S6. Uncertainties of relative humidity calculated with Equation (16) at $T_d = 30$ °C, $u(T_d) = 0.50$ °C, $T_w = 21 \sim 29$ °C and $u(T_w) = 0.1 \sim 1$ °C.

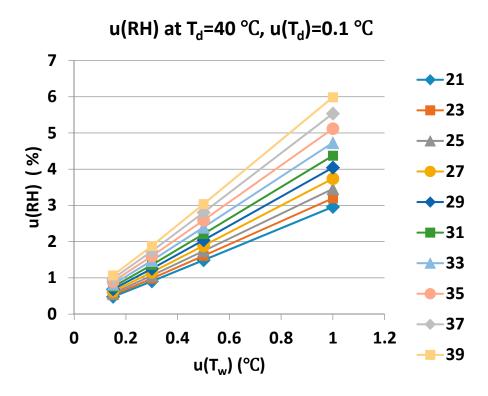


Figure S7. Uncertainties of relative humidity calculated with Equation (16) at $T_d = 40$ °C, $u(T_d) = 0.10$ °C, $T_w = 21 \sim 39$ °C and $u(T_w) = 0.1 \sim 1$ °C.

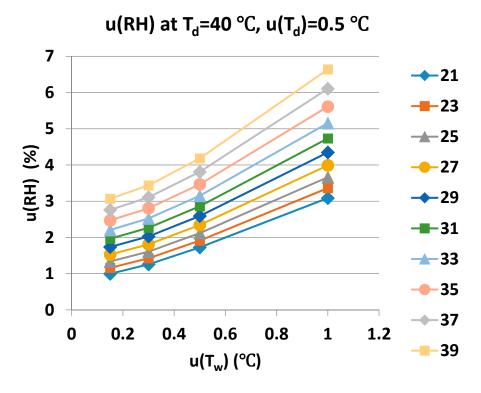


Figure S8. Uncertainties of relative humidity calculated with Equation (16) at $T_d = 40$ °C, $u(T_d) = 0.50$ °C, $T_w = 21 \sim 39$ °C and $u(T_w) = 0.1 \sim 1$ °C.