

850e Fuel Cell Test System Humidifier & Dew Point Performance

Figure 1 and Figure 2 show the dew point of the gas exiting the Model 850e humidifier set at 80 °C. Figure 1 shows the dew point at flow rates from 0.1 to 5.0 standard liters per minute (SLM). Figure 2 demonstrates the stability of the dew point over time at a fixed flow rate. The dew point was measured with a Vaisala HTM337 Dew Point Probe. The dew point was within ± 1.2 °C of the set point at all conditions.

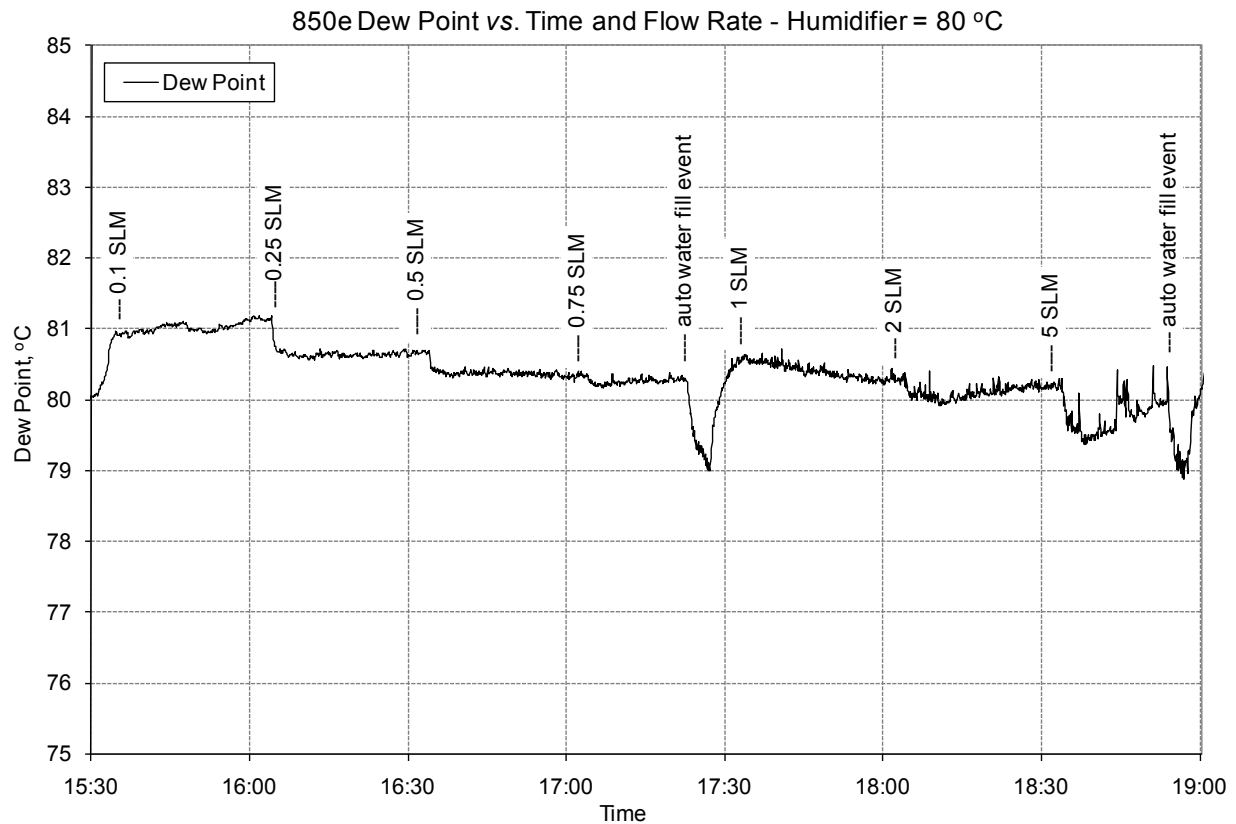


Figure 1. Model 850e dew point as a function of flow rate (0.1 to 5.0 SLM) at 80 °C.

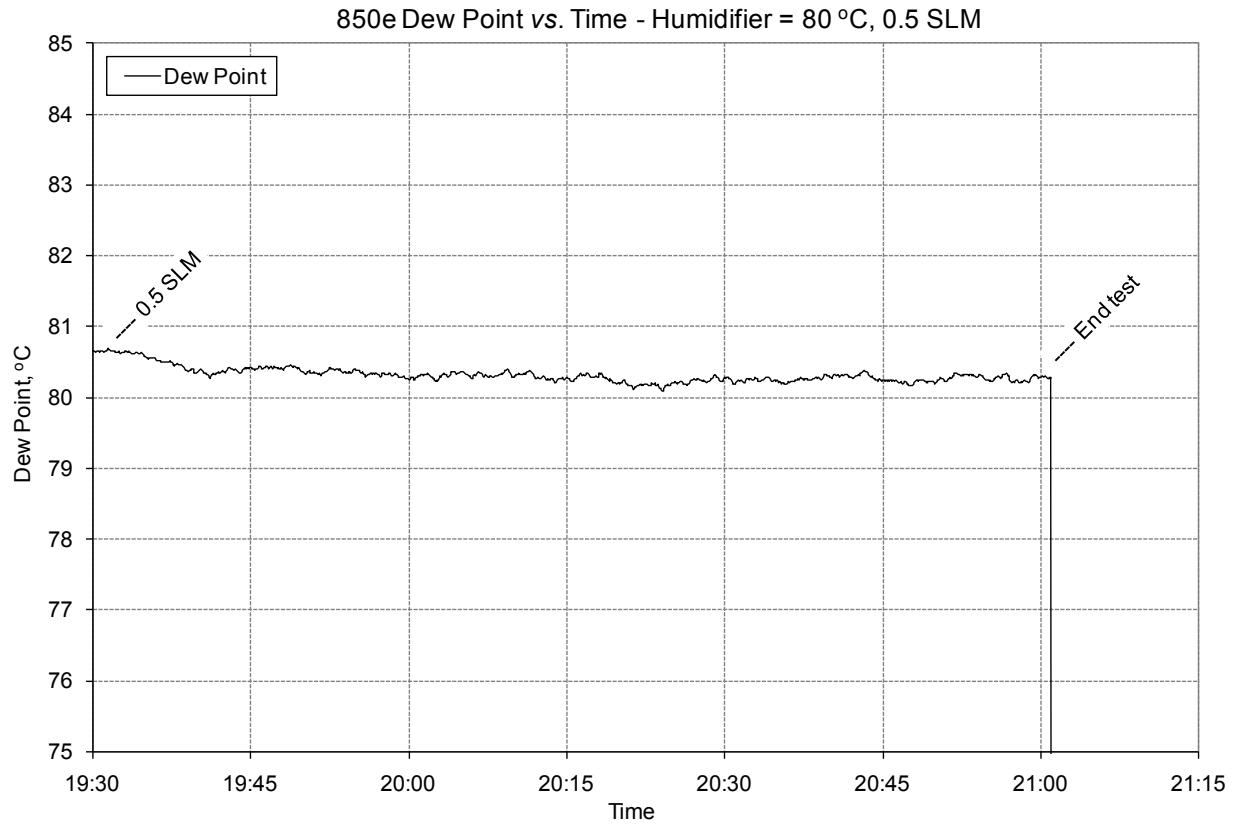


Figure 2. Stability of the Model 850e dew point over 1.5 hr at 0.5 SLM at 80 °C.