



# Resolution Graph Example

8-bit versus 12-bit

The following temperature graphs illustrate how instrument resolution affects the readings you collect. The graph on the left was produced using an 8-bit data logger. Notice the choppy stepped appearance and the coarse measurement resolution.

The graph on the right was produced with a 12-bit data logger measuring the exact same conditions as the 8-bit unit. Notice how this graph presents the actual temperature changes far more precisely than the first.

