

2.2. Calculating memory storage and monitoring battery life

ECH2O Utility also shows the percentage of the storage memory that has been used and how many days of storage space remain on the Em50 series data logger (Figure 8). This is a function of the measurement interval selected. The number of day available for data storage can be determined by dividing the size of the data logger memory (36,864 scans) by the number of data scans stored per day. For example, a measurement interval of 1 h stores 24 data scans per day. At this rate, the Em50 logger will store $36,864/24 = 1,536$ days (about 4.2 years) worth of data.

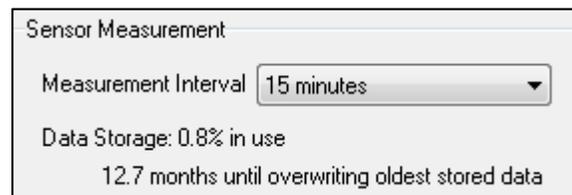


Figure 8. A measurement interval of 15 min will hold 12.7 month worth of data.

In ECH2O Utility, the battery level for the data logger is indicated in green at the top left hand side of the screen. Clicking on the battery symbol gives the remaining battery level (%) at the bottom of the screen.