

AC-S Serial Number Conversion

The ac-s device files and WETView generated .dat files include the meter's serial number in the header, but it's reported as a hexadecimal (hex) number. This document will explain how to convert the reported serial number to a decimal serial number.

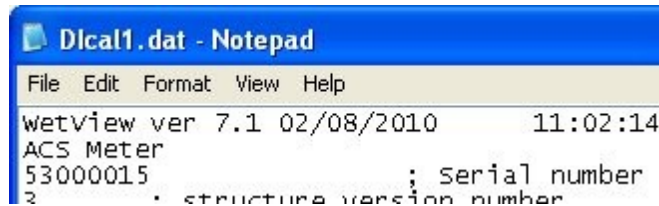


Figure 1: Example ac-s .dat file header

1. The first step is to get the hex code from the .dev or .dat file. Open the file using a text editor, such as notepad on Windows systems (see Figure 1) or a spreadsheet program such as Excel or OpenOffice.calc. The start of the third line in the file is where the hex serial number is located. The first two characters are a code representing what type of meter the file is from. For an ac-s, this code is 53. The remaining six characters are the hex representation of the serial number. In this example, it is 15 (leading zeros can be ignored).
2. Start up the calculator program supplied with your operating system. For Windows systems, the calculator shortcut can be found under **Start | All Programs | Accessories | Calculator**.

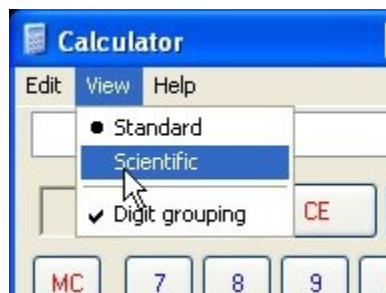


Figure 2: Setting the scientific view

3. For the Windows calculator, the view needs to be changed to the Scientific view (see Figure 2).

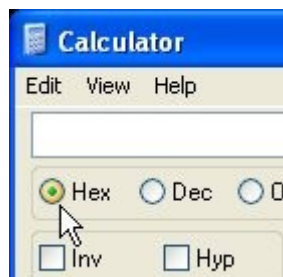


Figure 3: Setting the hex mode

4. Change the mode to Hex (see Figure 3).

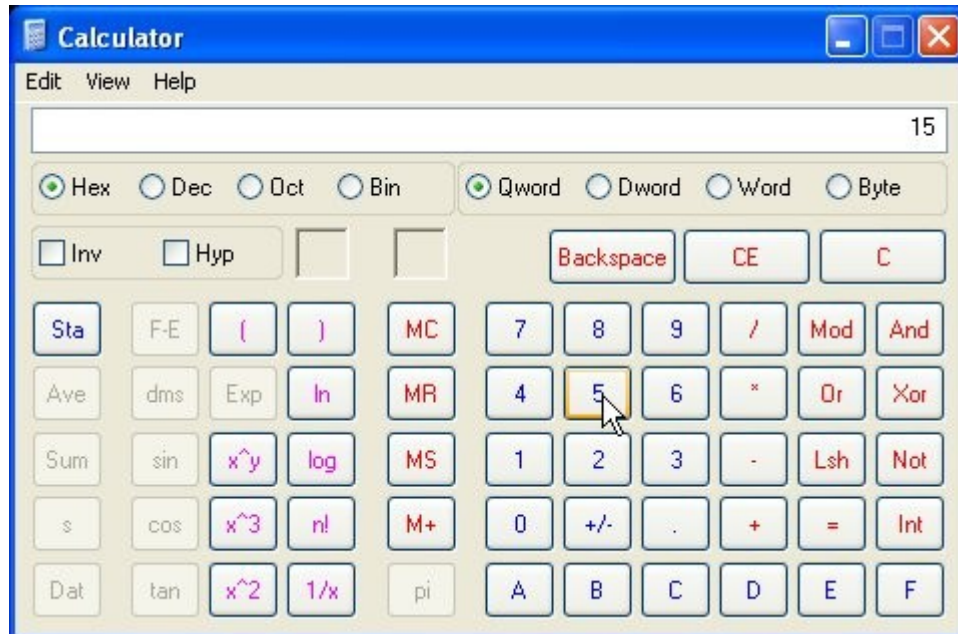


Figure 4: Enter the hex serial number

5. Enter or paste the hex serial number into the calculator (see Figure 4).



Figure 5: Change to decimal mode

6. Change the mode to decimal and read out the decimal serial number (see). For this example it's ac-s 21.