



**TELEDYNE
INSTRUMENTS**

Advanced Pollution Instrumentation

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Service Note

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YEAR 2000 SOFTWARE CONCERNS

I. SCOPE:

To address so-called "Year 2000" issues regarding API analyzers

II. BACKGROUND:

In the industry, there is currently much concern regarding the "Year 2000 bug." This bug occurs as a result of computers and/or software which only store the year as a two digit number. Unfortunately, some software and computers will read a date of "00" as being "1900" rather than "2000" and will incorrectly store or access data.

API's equipment will not present a problem with the year 2000 even though our machines only display the year as the last two digits. This is because years are not reported in any way to the external world except via the display. Date functions in the DAS of both the AMX and non-AMX configurations are recorded as XXX:YY:ZZ, where XXX is the Julian day, YY is the hour and ZZ is the minute.

Timers in API equipment will function correctly because they only use two digits, so the computer is incapable of ever using the first two digits of the year.

The analyzers will properly report the year 2000 as a leap year by including February 29 in the date functions.

As always, if you have any questions or concerns regarding this or any other issue, please feel free to contact an API Customer Service Engineer.