Conversion of BM/HITACHI 917 Data Archive Files

Product Info

Version 1.3

November 1997

Contents:

Filename: ARC_INFO.DOC

1. Purpose of the Tool

This program may read Data Archive files of the BM/HITACHI 917 analyzer and store them in an ASCII text file, which can be imported directly in a spreadsheet application (e.g. EXCEL) for further analysis.

2. How to operate the Tool

Just select the type of data files you want to read:

- Result files (only ASCII format) Extension *.ARS
- QC Data files Extension *.AQC
- Test Counter files Extension *.AMT

2.1. Reading archive files

Then press the **[Read Data file from Disk]** button and select the file to read.
After reading and encoding the file contents, the data is displayed in the text window.
Now press the **[Write Data to ASCII File]** button to store the contents of the text window in an ASCII file.

2.2. Writing ASCII files

Each single test result is stored with complete sample information in one text line.
If you write a result file, there is an additional prompt, whether an EP Evaluator file shall be created too. This is an ASCII file with a different file format where all test results of one sample are stored with the sample number in one text line. The name of this EP file is a combination of the ASCII text file name and the extension 'PRN'.

2.3. Settings

The Settings function in the Options main menu offers the following settings:

- **Field Delimiter**

The character for delimiting the data items in one line can be specified. Semicolon, tabulator, comma or space are selectable. When importing the ASCII file into the spreadsheet application, you have to select the same delimiter for a correct interpretation of the data lines.

- **Date Order**

The single date information items year, month and day may be combined according to six different date orders.

- **Date Delimiter**

The single date information items year, month and day may be combined with two different delimiters (- or /)

- **Decimal character**

The decimal character may be a point or a comma. Select the decimal character which is expected by your spreadsheet application for a correct interpretation of the result values.

- **ASCII Editor**

The internal editor window can display only 32 KB. If the external editor option is selected, it is possible to activate any other editor for displaying the data file.

3. Data Items of Result Files

Each text line contains one single result value with following items:

- Sample Type (Routine or STAT)
- Result Type (First, Auto Rerun or Manual Rerun)
- Class (1 to 5)
- Sample No.
- Disk No.
- Position No.
- ID
- Measure Date (yy-mm-dd)
- Measure Time (hh:mm:ss)
- Channel No.
- Result Value
- Alarm character
- Unit
- Age
- Age Factor
- Sex
- Draw Date (yy-mm-dd)
- Draw Time (hh:mm)
- Comments 1 to 5
- Sample Cup Type
- Operator ID

4. Data Items of QC Files

QC data files consist of three sections

- Individual QC Data
- Cumulative QC Data
- QC Parameters

The **'Individual QC Data'** section lines contain the following items:

- Channel No.
- Point No. (1 .. 150)
- Point Status (normal, accumulated, excluded)
- Result Value
- Alarm character
- Measure Date (yy-mm-dd)
- Measure Time (hh:mm:ss)
- Comment
- Operator ID

The **'Cumulative QC Data'** section lines contain the following items:

- Channel No.
- Point No. (1 .. 31)
- Mean Value
- Point No. (0 .. 150)
- SD Value
- Accumulation Date (mm-dd)
- Accumulation Time (hh:mm)

The **'QC Parameter'** section lines contain the following items:

- Name
- Lot No.
- Expiration Date (yy-mm)
- Channel No.
- Mean Value
- SD Value
- Unit

5. Data Items of Test Counter Files

Each text line contains counter information for one test with the following items:

- Application Code
- Routine tests
- Calibration tests
- Control tests
- Rerun tests
- STAT tests
- Total tests for this application

The last two lines of the ASCII file contain:

- the total sum of each column
- the number of samples for routine, rerun and STAT samples.

6. Software Changes

Version 1.03 - March 1997

- There is an additonal setting for the decimal character in floating point results.
- You may select point or comma, depending on your Windows setting for the decimal character.

Version 1.3 - July 1997

- Just a change of the version no.