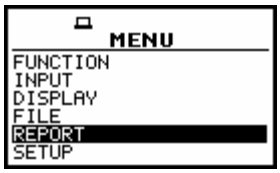
# 8 PRINTING REPORTS - REPORT

The printed reports of the sound measurement results in the predefined format can be obtained by means of the **REPORT** list. In order to open the **REPORT** list the user has to:

- press the **<MENU>** push-button,
- select from the main list, using the **<▲>**, **<▼>** (or **<◄>**, **<►>**) push-buttons, the **REPORT** text (highlight it inversely),
- press the **<ENTER>** push-button.

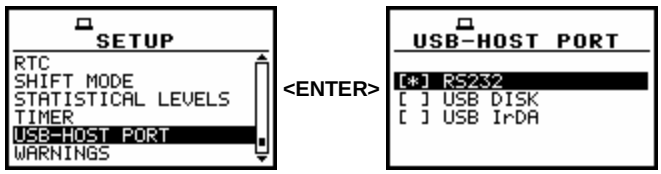



**Main list; the REPORT text highlighted (displayed inversely)**

In order to obtain the report the user has to connect the instrument to the printer's RS 232 port using the **SV 55** RS 232 interface. This hardware interface is hidden in the Cannon type, 9-pin RS 232 plug-in. On the other end of the **SV 55** interface, which itself looks like a cable, there is the USB Host plug-in. This plug-in should be placed in the USB Host socket of the instrument.

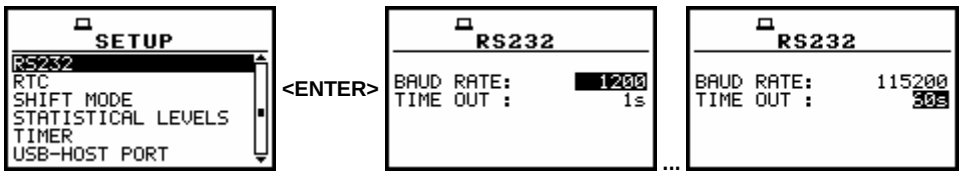
***Notice:*** *The converter **SV 55** serves as the RS 232 interface. The **SV 55** connection to the **USB Host** socket is detected and after successful detection the headphone icon is switched on. The transmission using the **SV 55** is possible only in the case when the instrument is not connected to a PC with the **USB Device** port.*

The **RS232** is the default setting in the **USB–HOST PORT** in the **SETUP** list. Only in this option the USB host controller is awaken and the power consumption is the lower one.




**SETUP list with the USB–HOST PORT selected and this window with the activated RS232**

The user has to be sure that the **RS232** is activated (*path: MENU / SETUP / USB–HOST PORT / RS232*) before starting printing reports. Additionally, in the **RS232** list (*path: MENU / SETUP / RS232*) the user has to select the proper speed of the transmission and the parameter called **TIME OUT**. The RS 232 interface transmission (**BAUD RATE**) speed can be selected from the following available values: **1200** (bits / second), **2400** (bits / s), **4800** (bits / s), **9600** (bits / s), **19200** (bits / s), **38000** (bits / s), **57600** (bits / s) or **115200** (bits / s). The selection is made by means of the **<◄>**, **<►>** push-buttons. The transmission speed should correspond to the one selected in a printer. The other RS 232 transmission parameters are fixed to **8 bits for data**, **No parity** & **1 Stop bit**. The default value of the **TIME OUT** parameter is equal to 1 but it can be too short period for the printers, which are not too fast. In such case, this parameter has to be increased.




**SETUP list with the RS232 selected and the exemplary contents of this window**

The description of the **SV 55** pin-outs is given in App. C. The printers with the different connections on the RS 232 socket require the special, individual RS 232 – RS 232 cable that should fulfil the suitable wire crossing.

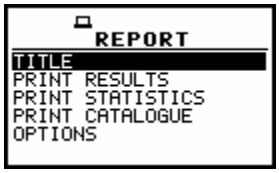
The printer, in which the Centronics interface is available instead of the RS 232 one, can be connected to the instrument by means of the **SV 52** RS 232 – Centronics interface.

The printers, which have only USB interface, are currently not driven by the instrument.

***Notice:*** *Switch the power off before connecting the instrument to any external device (e.g. a printer or a Personal Computer).*

The **REPORT** list contains the following elements:

**TITLE** that enables the user to give the header to the printed report;
**PRINT RESULTS** that enables the user to print out the measurement results on the default printer;
**PRINT STATISTICS** that enables the user to print out the statistics of the measurement results;
**PRINT CATALOGUE** that enables the user to print out the catalogue of the files;
**OPTIONS** that enables the user to determine the options of the report.

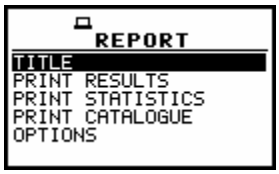



**REPORT list**

***Notice:*** *All reports are printed in the character format using the ASCII set.*

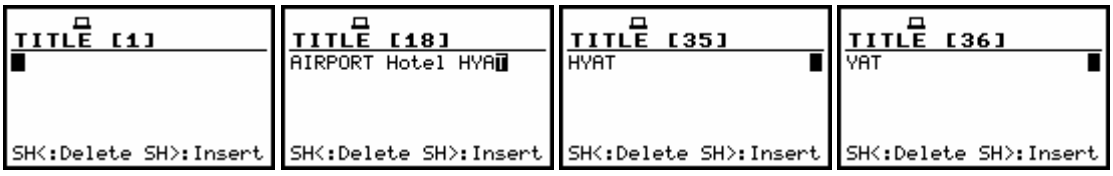
## 8.1 Edition of the user's text to be added to the reports - TITLE

The **TITLE** enables the user to edit the text added to the file and to the report to be printed. This operation is performed in the same way as it was described in the case of the **FILE NAME** window. In order to enter the position the user has to select the **TITLE** text in the **REPORT** list, using the **<▲>**, **<◄>** (or **<▲>**, **<◄>** with **<SHIFT>**) push-buttons and press the **<ENTER>** one.




**REPORT list with the TITLE selected**

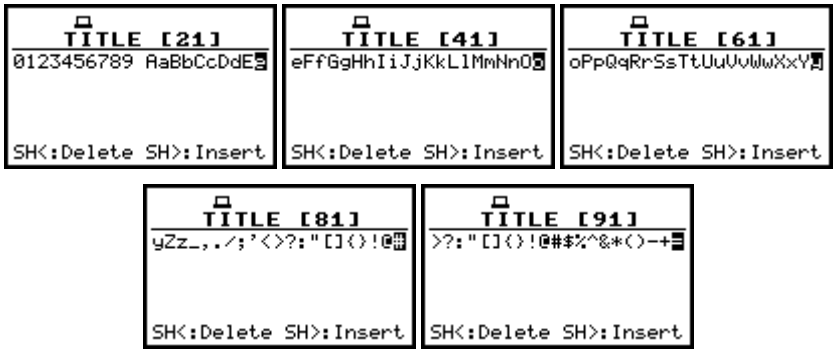
The text edition is made using the **<▲>**, **<▼>**, **<◄>**, **<►>** and **<SHIFT>** push-buttons. The **<◄>**, **<►>** push-buttons are used for changing the position of the edited character. The number (counted from the beginning of the text) of the edited character is displayed in the first line of the display, in the brackets. The text is limited to 128 characters.




**Displays in the text edition of the report's header**

The **<▲>**, **<▼>** push-buttons are used for the selection of the ASCII characters. Digits, small and big letters as well as special characters, all together 91, are available (cf. the Displays below). Small and big letters are placed one after another. Pressing the **<SHIFT>** and **<◄>** push-buttons causes that the highlighted character is erased from the text (**DEL** function). Pressing the **<SHIFT>** and **<►>** causes that the whole text is shifted one position to the right (**INSERT** function).

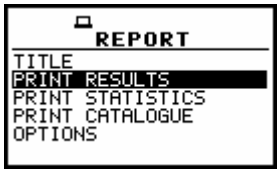
The window is closed and the instrument returns to the **REPORT** list after pressing the **<ENTER>** or **<ESC>** push-button. In the first case, the edited text is saved and will be added to the printed reports. In the latter case newly introduced text or the amendments made in the old one are ignored.




**Displays with all available characters**

## 8.2 Printing of the measurement results - PRINT RESULTS

The **PRINT RESULTS** enables the user to print the report on the attached printer. In order to enter the position the user has to select the **PRINT RESULT** text in the **REPORT** list, using the **<▲>**, **<▼>** (or **<◄>**, **<►>**) push-buttons and press the **<ENTER>** one.




**REPORT list with the PRINT RESULT selected**

After pressing the **<ENTER>** push-button the instrument checks its current state. In the case when the measurements are performed, the printing is impossible and the message is displayed.


**Display after the attempt to perform an unavailable operation during measurement in progress**

In the case when a measurement was already performed and a result is available, the message presented below is displayed.


**Display in the REPORT list, the execution of the PRINT RESULTS**

When the message is on the display, the data are transferred from the instrument to the attached printer. The instrument returns to the **REPORT** list after transferring all data.

The report printed in A5 format *(path: MENU / REPORT / OPTIONS / FORMAT A5)* with the given name “12JUL” *(path: MENU / REPORT / TITLE / 12JUL)* looks as follows:

```
(C) SVANTEK      SVAN 953      No.8929
2007/07/12   (v6.04/6.04.3)   05:42:16

TITLE:
   12JUL

------------ SETTINGS -----------

Device function....: LEVEL METER
LEVEL METER version: 6.04
Meas. start date...: 2007/07/12
Meas. start hour...: 05:39:30
Range..............: SINGLE
Measure trigger....: Off
Logger trigger.....: Off
Repeat cycle.......: 2
Start delay........: 1 s
Integration time...: 10 s
Calibr. factor.....: -0.3 dB
Calibration by.....: Measurement
Calibration date...: 2007/07/11
Calibration hour...: 12:32:48
RMS integration....: Linear

Profile:     #1     #2     #3
Filter:      A      C      Z
Detector:    FAST   FAST   FAST

-------------- RESULTS -------------

Measurement time: 00:00:10

Prof.:   #1         #2         #3
PEAK   60.6dB     67.7dB     79.4dB
MAX    44.7dB     58.5dB     73.6dB
MIN    38.2dB     47.2dB     53.3dB
SPL    44.1dB     58.5dB     62.7dB
LEQ    41.2dB     51.7dB     60.6dB
SEL    51.2dB     61.7dB     70.6dB
Ln     51.2dB     61.7dB     70.6dB
LEPd   41.2dB     51.7dB     60.6dB
Ltm3   44.2dB     56.0dB     68.8dB
Ltm5   44.6dB     57.2dB     71.3dB

L01    46.0dB     59.0dB     75.0dB
L10    42.8dB     53.6dB     61.5dB
L20    41.9dB     52.7dB     58.8dB
L30    41.5dB     52.1dB     58.3dB
L40    41.0dB     51.6dB     57.6dB
```

```
L50     40.7dB      51.2dB      56.9dB
L60     40.4dB      50.7dB      56.5dB
L70     40.1dB      50.1dB      56.0dB
L80     39.7dB      49.4dB      55.3dB
L90     39.2dB      48.6dB      54.0dB

---------------------------------------
```

**Example of the printed results - A5 format**

The same report printed in A4 format is presented below:

```
(C) SVANTEK          SVAN 953      No.8929  2007/07/12   (v6.04/6.04.3)   05:45:51

     TITLE:
        01JUL

     ------------ SETTINGS -----------       ------------ SETTINGS -----------

     Device function....: LEVEL METER        LEVEL METER version: 6.04
     Meas. start date...: 2007/07/12         Meas. start hour...: 05:39:30
     Range..............: SINGLE             Measure trigger....: Off
     Logger trigger.....: Off                Repeat cycle.......: 2
     Start delay........: 1 s                Integration time...: 10 s
     Calibr. factor.....: -0.3 dB            Calibration by.....: Measurement
     Calibration date...: 2007/07/11         Calibration hour...: 12:32:48
     RMS integration....: Linear

     Profile:     #1     #2     #3           Profile:     #1     #2     #3
     Filter:      A      C      Z            Detector:    FAST   FAST   FAST

     -------------------- RESULTS --------------------

     Measurement time: 00:00:10

     Prof.:     #1             #2             #3
     PEAK     60.6 dB        67.7 dB        79.4 dB
     MAX      44.7 dB        58.5 dB        73.6 dB
     MIN      38.2 dB        47.2 dB        53.3 dB
     SPL      44.1 dB        58.5 dB        62.7 dB
     LEQ      41.2 dB        51.7 dB        60.6 dB
     SEL      51.2 dB        61.7 dB        70.6 dB
     Ln       51.2 dB        61.7 dB        70.6 dB
     LEPd     41.2 dB        51.7 dB        60.6 dB
     Ltm3     44.2 dB        56.0 dB        68.8 dB
     Ltm5     44.6 dB        57.2 dB        71.3 dB

     L01      46.0 dB        59.0 dB        75.0 dB
     L10      42.8 dB        53.6 dB        61.5 dB
     L20      41.9 dB        52.7 dB        58.8 dB
     L30      41.5 dB        52.1 dB        58.3 dB
     L40      41.0 dB        51.6 dB        57.6 dB
     L50      40.7 dB        51.2 dB        56.9 dB
     L60      40.4 dB        50.7 dB        56.5 dB
     L70      40.1 dB        50.1 dB        56.0 dB
     L80      39.7 dB        49.4 dB        55.3 dB
     L90      39.2 dB        48.6 dB        54.0 dB

     ------------------------------------------------
```

**Example of the printed results from the LEVEL METER mode - A4 format**

```
(C) SVANTEK     SVAN 953       No.8929
2007/07/15   (v6.04/6.04.3)   06:11:33

TITLE:
    OCTAVE

------------ SETTINGS -----------

Device function....: 1/1 OCTAVE
Meas. start date...: 2007/07/15
Meas. start hour...: 05:51:00
Range..............: SINGLE
Measure trigger....: Off
Logger trigger.....: Off
Repeat cycle.......: 5
Start delay........: 1 s
Integration time...: 1 min
Calibr. factor.....: -0.4 dB
Calibration by.....: Measurement
Calibration date...: 2007/07/15
Calibration hour...: 05:46:26
RMS integration....: Linear
Spectrum filter....: Z
Spectrum in logger.: None

Profile:     #1     #2     #3
Filter:      A      C      Z
Detector:    FAST   FAST   FAST

--------------- RESULTS --------------

Measurement time: 00:01:00

Prof.:   #1         #2         #3
PEAK   84.5dB     85.7dB     85.9dB
MAX    72.3dB     76.6dB     76.7dB
MIN    40.7dB     57.1dB     59.0dB
SPL    68.2dB     71.9dB     72.2dB
LEQ    59.4dB     65.6dB     67.3dB
SEL    77.2dB     83.4dB     85.1dB
Ln     69.4dB     75.6dB     77.3dB
LEPd   59.4dB     65.6dB     67.3dB
Ltm3   65.5dB     70.5dB     71.8dB
Ltm5   66.1dB     70.9dB     72.2dB

L01    70.6dB     74.6dB     74.8dB
L10    63.6dB     68.9dB     70.8dB
L20    59.9dB     66.7dB     68.7dB
L30    57.1dB     65.4dB     67.5dB
L40    54.1dB     64.0dB     66.4dB
L50    50.4dB     62.8dB     65.2dB
L60    48.4dB     61.7dB     64.1dB
L70    46.8dB     60.7dB     63.1dB
L80    44.6dB     59.7dB     62.1dB
L90    42.5dB     58.9dB     61.1dB

--- 1/1 OCTAVE --

   [Hz]      [dB]
   31.5      58.2
   63.0      58.8
  125.0      57.1
  250.0      58.7
  500.0      60.5
 1000.0      50.3
 2000.0      49.6
 4000.0      41.5
 8000.0      31.5
```

```
16000.0      22.0

-- TOTALS FOR FILTERS --

 Filter     Total
 A          59.4 dB A
 C          65.6 dB C
 Z          67.3 dB

------------------------
```

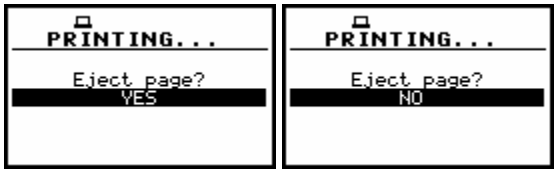
**Example of the printed results from the 1/1 OCTAVE mode - A5 format**

```
(C) SVANTEK     SVAN 953      No.8929  2007/07/16   (v6.04/6.04.3)   12:57:43

TITLE:
   DOSE30

------------ SETTINGS -----------       ------------ SETTINGS -----------

Device function....: DOSE METER
Meas. start date...: 2007/07/16          Meas. start hour...: 12:20:58
Range..............: SINGLE              Criterion level....: 80 dB
Threshold level....: None                Exchange rate......: 3 dB
Exposure time......: 08h00               Measure trigger....: Off
Logger trigger.....: Off                 Repeat cycle.......: 1
Start delay........: 1 s                 Integration time...: 30 min
Calibr. factor.....: -0.4 dB             Calibration by.....: Measurement
Calibration date...: 2007/07/16          Calibration hour...: 12:16:26
RMS integration....: Linear

Profile:     #1     #2     #3           Profile:     #1     #2     #3
Filter:      A      C      Z            Detector:    FAST   FAST   FAST

------------------- RESULTS --------------------

Measurement time: 00:30:00

Prof.:     #1            #2            #3
PEAK    117.1 dB      133.0 dB      136.5 dB
MAX     112.9 dB      120.4 dB      126.0 dB
MIN      34.1 dB       44.5 dB       50.1 dB
SPL      42.6 dB       52.3 dB       57.1 dB
DOSE       39 %          44 %          60 %
D_8h      617 %         708 %         977 %
LAV      87.9 dB       88.5 dB       89.9 dB
LEQ      87.8 dB       88.4 dB       89.8 dB
SEL     120.4 dB      121.0 dB      122.4 dB
SEL8    132.4 dB      133.0 dB      134.4 dB
E        0.12 Pa2h     0.14 Pa2h     0.19 Pa2h
E_8h     1.93 Pa2h     2.21 Pa2h     3.06 Pa2h
LEPd     87.8 dB       88.4 dB       89.8 dB
PSEL     75.8 dB       76.4 dB       77.8 dB
Ltm3     88.3 dB       93.8 dB       98.9 dB
Ltm5     90.4 dB       95.6 dB      100.6 dB

L01      64.3 dB       70.4 dB       76.9 dB
L10      53.5 dB       61.9 dB       68.4 dB
L20      49.9 dB       59.1 dB       65.7 dB
L30      47.6 dB       57.3 dB       63.8 dB
L40      45.9 dB       55.9 dB       62.4 dB
L50      44.6 dB       54.7 dB       61.1 dB
L60      43.4 dB       53.6 dB       59.8 dB
L70      42.2 dB       52.5 dB       58.6 dB
```

```
L80      40.9 dB        51.4 dB        57.2 dB
L90      39.3 dB        50.0 dB        55.5 dB

-----------------------------------------------
```

**Example of the printed results from the DOSE METER mode - A4 format**

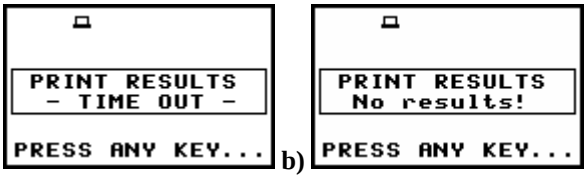
The following confirmation question is displayed after the printing, if the **Prompt** parameter was selected in the **EJECT P.** (*path: MENU / REPORT / OPTIONS / EJECT P.*).




**Displays with the confirmation request of the paper ejection**

The user has to answer in this case if the paper in the printer has to be ejected to the new page. The change of the available answers is possible after pressing the **<◄>**, **<►>** push-buttons. The return to the **REPORT** list is performed after pressing the **<ENTER>** push-button with the possible ejection of the paper to the new page.

The message about the time limit is displayed in the case when the printer is not connected or there is any other reason that it does not receive the data. The instrument waits for the reaction of the user (any push-button should be pressed except the **<SHIFT>** and **<ALT>** one) and after pressing a push-button it returns to the **REPORT** list. Another message is presented and the instrument waits for the reaction of the user in the case when there is no data to be printed.




**a)** **b)**

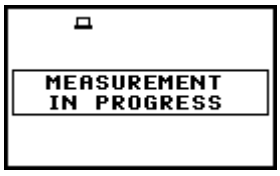
**Displays during the results printing when there is no transfer (a) and no data (b)**

## 8.3 Printing of the statistics of measurement results - PRINT STATISTICS

The **PRINT STATISTICS** enables the user to print the results of the statistics analysis on the attached printer. In order to enter the position the user has to select the **PRINT STATISTICS** text in the **REPORT** list, using the **<▲>**, **<▼>** (or **<◄>**, **<►>**) push-buttons and press the **<ENTER>**.


**REPORT list with the PRINT STATISTICS selected**

After pressing the **<ENTER>** push-button the instrument checks its current state. In the case when the measurements are performed, the printing is impossible and the message is displayed.

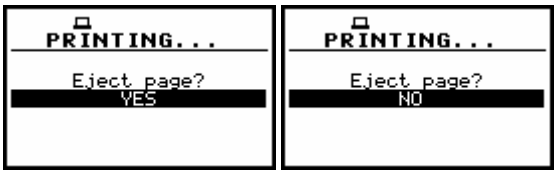



**Display after the attempt to perform an unavailable operation during measurement in progress**

After pressing the **<ENTER>** push-button, in the case when a measurement was already performed and a result is available, the message is displayed:


**Display in the REPORT list, the execution of the PRINT STATISTICS**

When the message is on the display, the data are transferred from the instrument to the attached printer. The instrument returns to the **REPORT** list when all data are transferred but if the **Prompt** parameter was selected in the **EJECT P.** (*path: MENU / REPORT / OPTIONS / EJECT P.*), the confirmation question is displayed after the printing. The user has to answer in this case if the paper in the printer has to be ejected to the new page. The change of the available answers is possible after pressing the **<◄>**, **<►>** push-buttons. The return to the **REPORT** list is performed after pressing the **<ENTER>** push-button with the possible ejection of the paper to the new page.




**Displays with the confirmation request of the paper ejection**

The printed statistics example (format A5) is presented below:

```
(C) SVANTEK       SVAN 953     No.8929
2007/07/12   (v6.04/6.04.3)   06:00:41

TITLE:
   12JUL

------------ SETTINGS -----------

Device function....: LEVEL METER
LEVEL METER version: 6.04
Meas. start date...: 2007/07/12
Meas. start hour...: 05:39:30
Range..............: SINGLE
Measure trigger....: Off
Logger trigger.....: Off
Repeat cycle.......: 2
Start delay........: 1 s
Integration time...: 10s
Calibr. factor.....: -0.3 dB
Calibration by.....: Measurement
Calibration date...: 2007/07/11
Calibration hour...: 12:32:48
RMS integration....: Linear

Profile:     #1     #2     #3
```

Filter: A C Z
Detector: FAST FAST FAST

--------- STATISTICS --------

Measurement time: 00:00:10

| Profile: | #1 [dB A] | #2 [dB C] | #3 [dB] |
|---|---|---|---|
| L01 | 46.0 | 59.0 | 75.0 |
| L02 | 45.5 | 56.5 | 71.0 |
| L03 | 45.0 | 56.0 | 69.0 |
| L04 | 44.6 | 55.5 | 65.0 |
| L05 | 44.3 | 55.0 | 64.0 |
| L06 | 44.0 | 54.5 | 63.0 |
| L07 | 43.5 | 54.0 | 62.6 |
| L08 | 43.0 | 53.8 | 62.3 |
| L09 | 42.9 | 53.7 | 62.0 |
| L10 | 42.8 | 53.6 | 61.5 |
| L11 | 42.7 | 53.5 | 61.0 |
| L12 | 42.6 | 53.4 | 60.6 |
| L13 | 42.5 | 53.3 | 60.3 |
| L14 | 42.4 | 53.2 | 60.0 |
| L15 | 42.3 | 53.1 | 59.7 |
| L16 | 42.2 | 53.0 | 59.5 |
| L17 | 42.1 | 52.9 | 59.2 |
| L18 | 42.0 | 52.8 | 59.0 |
| L19 | 42.0 | 52.8 | 58.9 |
| L20 | 41.9 | 52.7 | 58.8 |
| L21 | 41.9 | 52.6 | 58.8 |
| L22 | 41.8 | 52.6 | 58.7 |
| L23 | 41.8 | 52.5 | 58.7 |
| L24 | 41.7 | 52.5 | 58.6 |
| L25 | 41.7 | 52.4 | 58.6 |
| L26 | 41.6 | 52.3 | 58.5 |
| L27 | 41.6 | 52.3 | 58.5 |
| L28 | 41.6 | 52.2 | 58.4 |
| L29 | 41.5 | 52.1 | 58.3 |
| L30 | 41.5 | 52.1 | 58.3 |
| L31 | 41.4 | 52.0 | 58.2 |
| L32 | 41.4 | 52.0 | 58.2 |
| L33 | 41.3 | 51.9 | 58.1 |
| L34 | 41.3 | 51.9 | 58.1 |
| L35 | 41.3 | 51.8 | 58.0 |
| L36 | 41.2 | 51.8 | 58.0 |
| L37 | 41.2 | 51.7 | 57.9 |
| L38 | 41.1 | 51.7 | 57.8 |
| L39 | 41.1 | 51.6 | 57.7 |
| L40 | 41.0 | 51.6 | 57.6 |
| L41 | 41.0 | 51.6 | 57.6 |
| L42 | 41.0 | 51.5 | 57.5 |
| L43 | 40.9 | 51.5 | 57.4 |
| L44 | 40.9 | 51.4 | 57.3 |
| L45 | 40.9 | 51.4 | 57.3 |
| L46 | 40.8 | 51.3 | 57.2 |
| L47 | 40.8 | 51.3 | 57.1 |
| L48 | 40.8 | 51.3 | 57.0 |
| L49 | 40.7 | 51.2 | 57.0 |
| L50 | 40.7 | 51.2 | 56.9 |
| L51 | 40.7 | 51.1 | 56.9 |
| L52 | 40.6 | 51.1 | 56.8 |
| L53 | 40.6 | 51.0 | 56.8 |
| L54 | 40.6 | 51.0 | 56.7 |
| L55 | 40.5 | 51.0 | 56.7 |
| L56 | 40.5 | 50.9 | 56.6 |
| L57 | 40.5 | 50.8 | 56.6 |
| L58 | 40.5 | 50.8 | 56.5 |
| L59 | 40.4 | 50.7 | 56.5 |

| | | | |
|---|---|---|---|
| L60 | 40.4 | 50.7 | 56.5 |
| L61 | 40.4 | 50.6 | 56.4 |
| L62 | 40.3 | 50.6 | 56.4 |
| L63 | 40.3 | 50.5 | 56.3 |
| L64 | 40.3 | 50.5 | 56.3 |
| L65 | 40.2 | 50.4 | 56.2 |
| L66 | 40.2 | 50.3 | 56.2 |
| L67 | 40.2 | 50.3 | 56.1 |
| L68 | 40.1 | 50.2 | 56.1 |
| L69 | 40.1 | 50.2 | 56.0 |
| L70 | 40.1 | 50.1 | 56.0 |
| L71 | 40.0 | 50.1 | 56.0 |
| L72 | 40.0 | 50.0 | 55.9 |
| L73 | 40.0 | 50.0 | 55.8 |
| L74 | 40.0 | 49.9 | 55.7 |
| L75 | 39.9 | 49.8 | 55.6 |
| L76 | 39.9 | 49.7 | 55.6 |
| L77 | 39.8 | 49.6 | 55.5 |
| L78 | 39.8 | 49.6 | 55.4 |
| L79 | 39.7 | 49.5 | 55.3 |
| L80 | 39.7 | 49.4 | 55.3 |
| L81 | 39.6 | 49.3 | 55.2 |
| L82 | 39.6 | 49.3 | 55.1 |
| L83 | 39.5 | 49.2 | 55.0 |
| L84 | 39.5 | 49.1 | 55.0 |
| L85 | 39.4 | 49.0 | 54.8 |
| L86 | 39.4 | 49.0 | 54.6 |
| L87 | 39.3 | 48.9 | 54.5 |
| L88 | 39.3 | 48.8 | 54.3 |
| L89 | 39.2 | 48.7 | 54.1 |
| L90 | 39.2 | 48.6 | 54.0 |
| L91 | 39.1 | 48.5 | 53.8 |
| L92 | 39.1 | 48.4 | 53.7 |
| L93 | 39.0 | 48.3 | 53.5 |
| L94 | 39.0 | 48.2 | 53.4 |
| L95 | 38.8 | 48.1 | 53.2 |
| L96 | 38.6 | 48.0 | 53.1 |
| L97 | 38.4 | 47.6 | 53.0 |
| L98 | 38.2 | 47.3 | 52.0 |
| L99 | 38.0 | 47.0 | 51.0 |

---

**Example of the printed statistics from the LEVEL METER mode - format A5**

SVAN 953 No.8929 2007/07/12 (v6.04/6.04) 05:53:26

TITLE:

| ---------- SETTINGS ---------- | | | | ---------- SETTINGS ---------- | | | |
|---|---|---|---|---|---|---|---|
| Device function....: LEVEL METER | | | | LEVEL METER version: 6.04 | | | |
| Meas. start date...: 2007/07/12 | | | | Meas. start hour...: 05:39:30 | | | |
| Range.....: SINGLE | | | | Measure trigger....: Off | | | |
| Logger trigger.....: Off | | | | Repeat cycle.....: 2 | | | |
| Start delay.....: 1 s | | | | Integration time...: 10 s | | | |
| Calibr. factor.....: -0.3 dB | | | | Calibration by.....: Measurement | | | |
| Calibration date...: 2007/07/11 | | | | Calibration hour...: 12:32:48 | | | |
| RMS integration....: Linear | | | | | | | |
| Profile: | #1 | #2 | #3 | Profile: | #1 | #2 | #3 |
| Filter: | A | C | Z | Detector: | FAST | FAST | FAST |

--------- STATISTICS --------

Measurement time: 00:00:10

| Profile: | #1 [dB A] | #2 [dB C] | #3 [dB] |
|---|---|---|---|
| L01 | 46.0 | 59.0 | 75.0 |
| L02 | 45.5 | 56.5 | 71.0 |
| L03 | 45.0 | 56.0 | 69.0 |
| L04 | 44.6 | 55.5 | 65.0 |
| L05 | 44.3 | 55.0 | 64.0 |
| L06 | 44.0 | 54.5 | 63.0 |
| L07 | 43.5 | 54.0 | 62.6 |
| L08 | 43.0 | 53.8 | 62.3 |
| L09 | 42.9 | 53.7 | 62.0 |
| L10 | 42.8 | 53.6 | 61.5 |
| L11 | 42.7 | 53.5 | 61.0 |
| L12 | 42.6 | 53.4 | 60.6 |
| L13 | 42.5 | 53.3 | 60.3 |
| L14 | 42.4 | 53.2 | 60.0 |
| L15 | 42.3 | 53.1 | 59.7 |
| L16 | 42.2 | 53.0 | 59.5 |
| L17 | 42.1 | 52.9 | 59.2 |
| L18 | 42.0 | 52.8 | 59.0 |
| L19 | 42.0 | 52.8 | 58.9 |
| L20 | 41.9 | 52.7 | 58.8 |
| L21 | 41.9 | 52.6 | 58.8 |
| L22 | 41.8 | 52.6 | 58.7 |
| L23 | 41.8 | 52.5 | 58.7 |
| L24 | 41.7 | 52.5 | 58.6 |
| L25 | 41.7 | 52.4 | 58.6 |
| L26 | 41.6 | 52.3 | 58.5 |
| L27 | 41.6 | 52.3 | 58.5 |
| L28 | 41.6 | 52.2 | 58.4 |
| L29 | 41.5 | 52.1 | 58.3 |
| L30 | 41.5 | 52.1 | 58.3 |
| L31 | 41.4 | 52.0 | 58.2 |
| L32 | 41.4 | 52.0 | 58.2 |
| L33 | 41.3 | 51.9 | 58.1 |
| L34 | 41.3 | 51.9 | 58.1 |
| L35 | 41.3 | 51.8 | 58.0 |
| L36 | 41.2 | 51.8 | 58.0 |
| L37 | 41.2 | 51.7 | 57.9 |
| L38 | 41.1 | 51.7 | 57.8 |
| L39 | 41.1 | 51.6 | 57.7 |
| L40 | 41.0 | 51.6 | 57.6 |
| L41 | 41.0 | 51.6 | 57.6 |
| L42 | 41.0 | 51.5 | 57.5 |
| L43 | 40.9 | 51.5 | 57.4 |
| L44 | 40.9 | 51.4 | 57.3 |
| L45 | 40.9 | 51.4 | 57.3 |
| L46 | 40.8 | 51.3 | 57.2 |
| L47 | 40.8 | 51.3 | 57.1 |
| L48 | 40.8 | 51.3 | 57.0 |
| L49 | 40.7 | 51.2 | 57.0 |
| L50 | 40.7 | 51.2 | 56.9 |

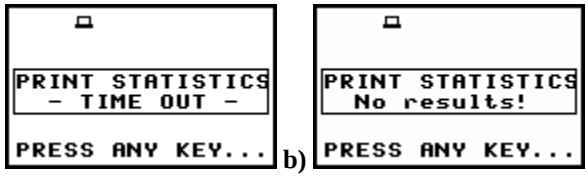
--------- STATISTICS --------

| Profile: | #1 [dB A] | #2 [dB C] | #3 [dB] |
|---|---|---|---|
| L51 | 40.7 | 51.1 | 56.9 |
| L52 | 40.6 | 51.1 | 56.8 |
| L53 | 40.6 | 51.0 | 56.8 |
| L54 | 40.6 | 51.0 | 56.7 |
| L55 | 40.5 | 51.0 | 56.7 |
| L56 | 40.5 | 50.9 | 56.6 |
| L57 | 40.5 | 50.8 | 56.6 |
| L58 | 40.5 | 50.8 | 56.5 |
| L59 | 40.4 | 50.7 | 56.5 |
| L60 | 40.4 | 50.7 | 56.5 |
| L61 | 40.4 | 50.6 | 56.4 |
| L62 | 40.3 | 50.6 | 56.4 |
| L63 | 40.3 | 50.5 | 56.3 |
| L64 | 40.3 | 50.5 | 56.3 |
| L65 | 40.2 | 50.4 | 56.2 |
| L66 | 40.2 | 50.3 | 56.2 |
| L67 | 40.2 | 50.3 | 56.1 |
| L68 | 40.1 | 50.2 | 56.1 |
| L69 | 40.1 | 50.2 | 56.0 |
| L70 | 40.1 | 50.1 | 56.0 |
| L71 | 40.0 | 50.1 | 56.0 |
| L72 | 40.0 | 50.0 | 55.9 |
| L73 | 40.0 | 50.0 | 55.8 |
| L74 | 40.0 | 49.9 | 55.7 |
| L75 | 39.9 | 49.8 | 55.6 |
| L76 | 39.9 | 49.7 | 55.6 |
| L77 | 39.8 | 49.6 | 55.5 |
| L78 | 39.8 | 49.6 | 55.4 |
| L79 | 39.7 | 49.5 | 55.3 |
| L80 | 39.7 | 49.4 | 55.3 |
| L81 | 39.6 | 49.3 | 55.2 |
| L82 | 39.6 | 49.3 | 55.1 |
| L83 | 39.5 | 49.2 | 55.0 |
| L84 | 39.5 | 49.1 | 55.0 |
| L85 | 39.4 | 49.0 | 54.8 |
| L86 | 39.4 | 49.0 | 54.6 |
| L87 | 39.3 | 48.9 | 54.5 |
| L88 | 39.3 | 48.8 | 54.3 |
| L89 | 39.2 | 48.7 | 54.1 |
| L90 | 39.2 | 48.6 | 54.0 |
| L91 | 39.1 | 48.5 | 53.8 |
| L92 | 39.1 | 48.4 | 53.7 |
| L93 | 39.0 | 48.3 | 53.5 |
| L94 | 39.0 | 48.2 | 53.4 |
| L95 | 38.8 | 48.1 | 53.2 |
| L96 | 38.6 | 48.0 | 53.1 |
| L97 | 38.4 | 47.6 | 53.0 |
| L98 | 38.2 | 47.3 | 52.0 |
| L99 | 38.0 | 47.0 | 51.0 |

**Example of the printed statistics from the DOSE METER mode - format A4**

The message about the time limit is displayed in the case when the printer is not connected or there is any other reason that it does not receive the data. The instrument waits for the reaction of the user (any push-button should be pressed except the **<SHIFT>** one) and after pressing a push-

button it returns to the **REPORT** list. Another message is presented and the instrument waits for the reaction of the user in the case when there is no data to be printed.




**a)** **b)**

**Displays during the statistics printing when there is no transfer (a) and no data (b)**

## 8.4 Printing of the file's catalogue - PRINT CATALOGUE

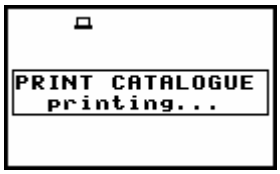
The **PRINT CATALOGUE** enables the user to print the catalogue of the files stored in the instrument on the attached printer. In order to enter the position the user has to select the **PRINT CATALOGUE** text in the **REPORT** list, using the **<▲>**, **<▼>** (or **<◄>**, **<►>**) push buttons and press the **<ENTER>**.


**REPORT list with the PRINT CATALOGUE selected**

After pressing the **<ENTER>** push-button the instrument checks its current state. In the case when the measurements are performed, the printing is impossible and the message is displayed.

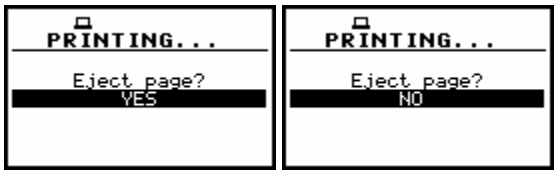

**Display after the attempt to perform an unavailable operation during measurement in progress**

After pressing the **<ENTER>** push-button the following message is displayed:




**Display in the REPORT list, the execution of the PRINT CATALOGUE**

When the message is on the display, the data are transferred from the instrument to the attached printer. The instrument returns to the **REPORT** list after transferring all data but if the **Prompt** parameter was selected in the **EJECT P.** (*path: MENU / REPORT / OPTIONS / EJECT P.*), the confirmation question is displayed after the printing. The user has to answer in this case if the paper in the printer has to be ejected to the new page. The change of the available answers is possible after pressing the **<◄>**, **<►>** push-buttons. The return to the **REPORT** list is performed after pressing the **<ENTER>** push-button with the possible ejection of the paper to the new page.




**Displays with the confirmation request of the paper ejection**

The printed catalogue looks as follows:

```
(C) SVANTEK     SVAN 953      No.8929  2007/06/05   (v6.04/6.04.1)   15:32:31

CATALOGUE CONTENTS                        Number of files: 9

Name      Mf  Length    Date    Time    Name      Mf  Length    Date    Time
05SEP0   <So>    488  07/06/05  08:43   02JUL    <Sl>    452  07/06/05  13:01
01JUL    <So>    488  07/06/05  13:50   01JUL0   <So>    488  07/06/05  14:03
01JUL1   <So>    488  07/06/05  14:04   01JUL2   <So>    488  07/06/05  14:04
01D      <Sd>    452  07/06/05  14:07   01STAT   <Sl>   1932  07/06/05  14:43
01STAT0  <Sd>   1932  07/06/05  14:58

-------------------------------------  -------------------------------------
```

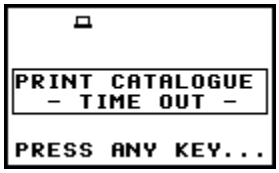
**Example of the printed catalogue - format A4**

The same catalogue in A5 format:

```
(C) SVANTEK     SVAN 953       No.8929
2007/06/05   (v6.04/6.04.1)   15:34:42

CATALOGUE CONTENTS
Number of files: 9

Name      Mf  Length    Date    Time
05SEP0   <So>    488  07/06/05  08:43
02JUL    <Sl>    452  07/06/05  13:01
01JUL    <So>    488  07/06/05  13:50
01JUL0   <So>    488  07/06/05  14:03
01JUL1   <So>    488  07/06/05  14:04
01JUL2   <So>    488  07/06/05  14:04
01D      <Sd>    452  07/06/05  14:07
01STAT   <Sl>   1932  07/06/05  14:43
01STAT0  <Sd>   1932  07/06/05  14:58

--------------------------------------
```

**Example of the printed catalogue - format A5**

When the catalogue of the files is empty (the measurement results were not saved), the instrument returns to the **REPORT** list without any reaction.

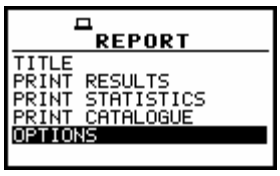



**Display during the catalogue printing when there is no data transfer**

## 8.5 Selection of the printing options - OPTIONS

Using the **OPTIONS** the user can select the format of the listing (**FORMAT**), can control the way the paper is ejected in the printer (**EJECT P.**) and select the language of the printed report (**LANGUAGE**).

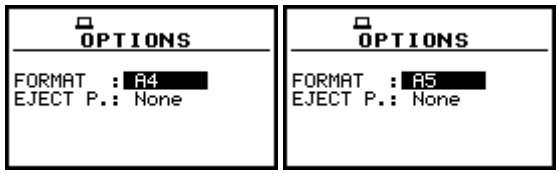
In order to enter the position the user has to select the **OPTIONS** text in the **REPORT** list, using the **<▲>**, **<▼>** (or **<◄>**, **<►>**) push-buttons and press the **<ENTER>**.




**REPORT list with the OPTIONS selected**

### 8.5.1 Selection of the format of the print out - FORMAT

The **FORMAT** enables the user to select the format of the listing (**A4** and **A5** options are available). In order to confirm the selection the **<ENTER>** push-button has to be pressed. After this confirmation, the **OPTIONS** sub-list is closed. In order to ignore any changes made in the **OPTIONS** sub-list the user has to press the **<ESC>** push-button.




**OPTIONS window; the selection of the format**

### 8.5.2 Controlling the paper ejection after print out - EJECT P.

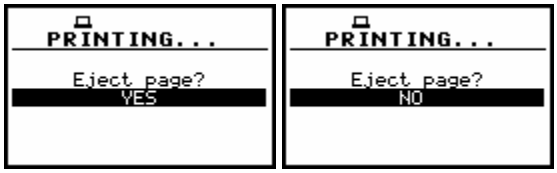
The **EJECT P.** enables the user to control the ejection of the paper after the listing is done. The following options are available: **Prompt** (the instrument asks whether to eject the page after printing report, statistics or catalogue), **Auto** (after printing, the paper is ejected) and **None** (the paper is not ejected after printing). In particular, it is possible to have one result after another using the **None** or **Prompt** options.

In the **EJECT P.** position any change is performed by means of the **<◄>**, **<►>** push-buttons. In order to confirm the selection the **<ENTER>** push-button has to be pressed. After this confirmation, the **OPTIONS** sub-list is closed. In order to ignore any changes made in the **OPTIONS** sub-list the user has to press the **<ESC>** push-button.


**OPTIONS window; the selection of the paper ejection**

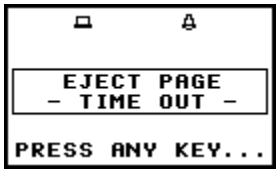
The request is displayed after the printing of the measurement results, the statistics of the results, the catalogue of the files (**PRINT RESULTS**, **PRINT STATISTICS**, **PRINT CATALOGUE**) if the **Prompt** parameter was selected in the **EJECT P.** position of the **OPTIONS** sub-list. The user has to answer in this case if the paper in the printer has to be ejected to the new page. The change of the available answers is possible after pressing the **<◄>**, **<►>** push-buttons. The return to the **REPORT** list

is performed after pressing the **<ENTER>** push-button with the possible ejection of the paper to the new page.




**Displays with the request for the confirmation of the paper ejection**

The message about the time limit is displayed in the case when the printer is not connected or there is any other reason that it does not eject a paper. The instrument waits for the reaction of the user (any push-button should be pressed except the **<SHIFT>** one) and after pressing a push-button it returns to the **REPORT** list.




**Display after a printing when there is not possible to eject a paper**