

APPENDIX E. FORMATS OF PRINTED REPORTS

The exemplary printed reports of the measurement results performed with the **SVAN 947** on a printer are presented in this Appendix. In order to obtain the report the user has to **connect the instrument to the printer's RS 232 port** using the proper cable **or**, in the case when the printer has no such port, **connect the parallel output of the printer with the SV 52 parallel-serial interface and using the SC 17 cable connect the instrument with the interface. The power in all instruments should be switched off before connecting the SVAN 947 to any external device** (e.g. a printer or a PC). The power can be switched on after the proper connection of the instruments. 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.

Pressing the **<SHIFT>** and **<▲>** (or **<SHIFT>** and **<◀>**) results in a movement to the first position of the opened list and pressing the **<SHIFT>** and **<▼>** (or **<SHIFT>** and **<▶>**) results in a movement to the last position of the opened list.

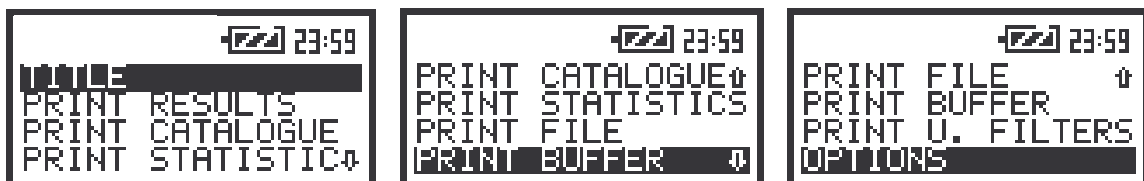


Notice: All reports are printed in the character format using ASCII set.



The view of the displays in the **REPORT** list in the case of the vibration signal

The **REPORT** list, in the case of the vibration meter mode, contains the elements which enable the user to add the header to the printed report (**TITLE**), to print out the measurement results on a printer (**PRINT RESULTS**), to print out the catalogue of the files (**PRINT CATALOGUE**), to print out the contents of the selected file (**PRINT FILE**), to print out the contents of the selected file from the buffer (**PRINT BUFFER**), to print out the value of the **USER FILTERS** coefficients set in the proper sub-list (**PRINT U. FILTERS**) as well as to determine the options of the report (**OPTIONS**).



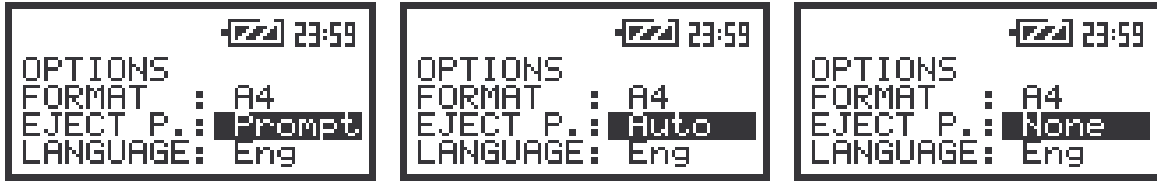
The view of the displays in the **REPORT** list in the case of the acoustic signal

Additionally, in the case of the **SLM** mode, the user can print out the results of the statistical analysis of the acoustic signal (**PRINT STATISTICS**).



The view of the displays with the **OPTIONS** sub-list opened – the selection of the format

The user can select the listing format (one can choose the **A4** and **A5**) using the **OPTIONS** sub-list. This sub-list enables also the user to control the ejection of the paper after the printing (**EJECT P.**). The following options are available: **Prompt** (the unit asks whether to eject the page after printing results, catalogue, files, buffers, user filters or statistics), **Auto** (the paper is ejected after printing) and **None** (the paper is not ejected after printing).




The view of the displays with the **OPTIONS** sub-list opened – the selection of the paper ejection

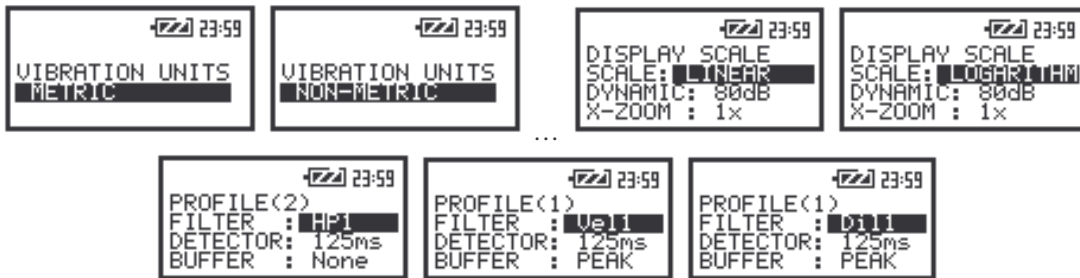
The **LANGUAGE** option enables the user to select the language in which the report has to be printed. Two items are available: English (**Eng**) and Polish (**PoL**). In order to confirm the selection the **<ENTER>** push-button has to be pressed. After this confirmation the **OPTIONS** sub-list is closed. In order to ignore any changes made in the **OPTIONS** sub-list the user has to press the **<ESC>** push-button.



The view of the displays with the **OPTIONS** sub-list opened – the selection of the language



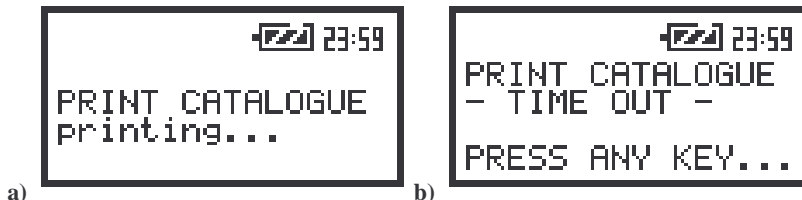
Note: The units of the measurement or analysis results of the vibration signal depends on the different settings made in the **VIBRATION UNITS** (**METRIC** or **NON-METRIC**), the **SCALE** position of the **DISPLAY SCALE** (**LINEAR** or **LOGARITHM**) and the weighting **FILTER** set in the **PROFILES x** (for acceleration, velocity or displacement measurements).



The view of the displays with different settings influencing the units of vibration results

PRINTING OF THE FILES' CATALOGUE SAVED IN THE SVAN 947 - PRINT CATALOGUE

The user has to press the **<ENTER>** push-button when the **PRINT CATALOGUE** text of the **FILE** list is displayed inversely in order to obtain the listing of the catalogue of the files stored in the instrument's memory. The following message appears on the display:



The view of the display during the proper execution of the **PRINT CATALOGUE** operation (a) and in the case when there is something wrong (b)

When the message is on the display the data are transferred from the instrument to the attached printer. The format of the listing depends on the setting in the **FORMAT** element (**A4** or **A5**) of the **OPTIONS** sub-list. The ejection of the paper after the printing depends on the setting of the **EJECT P.** element of the same list. The instrument returns to the **REPORT** list after printing the whole catalogue. The exemplary listings of a catalogue in both formats are presented below.

The exemplary listing of the files catalogue in A4 format

(C) SVANTEK SVAN 947 No.4267 2003/05/27 (v3.07) 21:30:05

CATALOGUE CONTENTS

Number of files: 16

Name	f	Length	Date	Time	Name	f	Length	Date	Time
26MAY0	<Sl>	230	03/05/26	15:58	26MAY1	<Sl>	230	03/05/26	16:00
26MAY2	<So>	276	03/05/26	16:01	26MAY3	<St>	336	03/05/26	16:03
26MAY4	<Sf>	4098	03/05/26	16:04	26MAY5	<St>	336	03/05/26	16:05
26MAY6	<So>	276	03/05/26	16:06	26MAY7	<So>	276	03/05/26	16:07
26MAY9	<Vl>	230	03/05/26	22:16	26MAY10	<Vo>	272	03/05/26	22:19
26MAY11	<Sl>	1710	03/05/26	22:23	27MAY0	<Vo>	272	03/05/27	21:25
27MAY1	<Vo>	272	03/05/27	21:26	27MAY2	<Vt>	332	03/05/27	21:27
27MAY3	<Vt>	332	03/05/27	21:27	27MAY4	<Vf>	4098	03/05/27	21:28

The exemplary listing of the files catalogue in A5 format(C) SVANTEK SVAN 947 No.4267
2003/05/27 (v3.07) 21:30:38

CATALOGUE CONTENTS

Number of files: 16

Name	f	Length	Date	Time
26MAY0	<Sl>	230	03/05/26	15:58
26MAY1	<Sl>	230	03/05/26	16:00
26MAY2	<So>	276	03/05/26	16:01
26MAY3	<St>	336	03/05/26	16:03
26MAY4	<Sf>	4098	03/05/26	16:04
26MAY5	<St>	336	03/05/26	16:05
26MAY6	<So>	276	03/05/26	16:06
26MAY7	<So>	276	03/05/26	16:07
26MAY9	<Vl>	230	03/05/26	22:16
26MAY10	<Vo>	272	03/05/26	22:19
26MAY11	<Sl>	1710	03/05/26	22:23
27MAY0	<Vo>	272	03/05/27	21:25
27MAY1	<Vo>	272	03/05/27	21:26
27MAY2	<Vt>	332	03/05/27	21:27
27MAY3	<Vt>	332	03/05/27	21:27
27MAY4	<Vf>	4098	03/05/27	21:28

PRINTING OF THE REPORT FROM THE MEASUREMENTS - PRINT RESULTS

The user has to press the <ENTER> push-button when the **PRINT RESULTS** text of the *FILE* list is displayed inversely in order to obtain the listing of the results of the measurements performed by the instrument. The following message appears on the display:

a)

b)

c)

The view of the displays during the proper execution of the **PRINT RESULTS** operation (a) and in the case when there is something wrong (b, c)

When the message is on the display the data are transferred from the instrument to the attached printer. The format of the listing depends on the setting in the **FORMAT** element (**A4** or **A5**) of the **OPTIONS** sub-list. The ejection of the paper after the printing depends on the setting of the **EJECT P.** element of the same sub-list. The instrument returns to the **REPORT** list after printing all required results. The exemplary listings of a report in both formats coming from sound or vibration measurement modes are presented below.

The exemplary listing of the report from the vibration level measurements in A4 format (METRIC units, LINEAR scale)

(C) SVANTEK SVAN 947 No.4267 2003/05/26 (v3.07) 22:17:54

File name: 26MAY9
Associated buffer name: Buffer_9

TITLE:
Hotel CAIRO - point 1

----- SETTINGS -----

Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function....: LEVEL METER

Meas. start date...: 2003/05/26	Meas. start hour...: 22:15:10
Range.....: 316 m/s2	Ref.level for Acc...: 1 um/s2
Ref.level for Vel...: 1 nm/s	Ref.level for Dil...: 1 pm
Trigger.....: Off	Repeat cycle.....: Infinity
Start delay.....: 1 s	Integration time...: 3 s
Calibr. factor.....: 0.0 dB	RMS integration....: Linear

Profile: #1 #2 #3	Profile: #1 #2 #3
Filter: HP10 Dil1 VelMF	Detector: 1.0s 500ms 2.0s
Buffer: PEAK P-P RMS	

----- RESULTS -----

Measurement time: 00:00:03

Prof.:	#1	#2	#3
PEAK	7.33 m/s2	462 um	8.13 mm/s
P-P	14.1 m/s2	767 um	15.7 mm/s
MAX	3.39 m/s2	412 um	4.32 mm/s
RMS	3.31 m/s2	226 um	4.07 mm/s
VDV	5.31 m/s1.75	---	---

The exemplary listing of the report from the sound level meter measurements in A4 format

(C) SVANTEK SVAN 947 No.4267 2003/05/26 (v3.07) 22:24:57

Buffer name: Buffe_13
Associated file name: 26MAY11

TITLE:
AIG LINCOLN POLAND

----- SETTINGS -----

Device mode.....: SOUND METER
Input.....: Microphone
Device function....: LEVEL METER

Field correction...: FREE

Meas. start date...: 2003/05/26	Meas. start hour...: 22:22:18
Range.....: 130 dB	Trigger.....: Off
Repeat cycle.....: Infinity	Start delay.....: 1 s
Integration time...: 3 s	Calibr. factor.....: 0.6 dB
Leq integration....: Linear	

Profile: #1 #2 #3	Profile: #1 #2 #3
Filter: A C LIN	Detector: IMP. FAST SLOW
Buffer: PEAK MAX RMS	

----- BUFFER -----

Profile:	#1	#2	#3
Time	[dB A]	[dB C]	[dB]
00:00:00.2	90.2	91.3	91.4
00:00:00.4	90.1	91.5	91.6
00:00:00.6	90.3	91.5	91.5
00:00:00.8	90.4	91.5	91.6
00:00:01.0	90.7	91.5	91.5
00:00:01.2	90.6	91.5	91.6
00:00:01.4	90.1	91.5	91.4
00:00:01.6	90.3	91.3	91.3
00:00:01.8	89.9	91.3	91.3
00:00:02.0	89.8	91.3	91.3

00:00:02.2	90.0	91.3	91.3
00:00:02.4	90.0	91.3	91.3
00:00:02.6	89.8	91.3	91.3
00:00:02.8	90.5	91.3	91.3
00:00:03.0	90.0	91.3	91.4
00:00:03.2	90.1	91.3	91.3
00:00:03.4	90.3	91.3	91.3
00:00:03.6	90.3	91.4	91.4
00:00:03.8	90.5	91.4	91.4
00:00:04.0	89.8	91.4	91.4
00:00:04.2	90.1	91.4	91.4
00:00:04.4	90.0	91.4	91.4
00:00:04.6	90.2	91.4	91.4
00:00:04.8	90.5	91.3	91.4
00:00:05.0	90.0	91.4	91.4
00:00:05.2	89.9	91.4	91.4
00:00:05.4	90.3	91.5	91.5
00:00:05.6	90.4	91.5	91.6
00:00:05.8	90.6	91.5	91.5
00:00:06.0	90.2	91.6	91.6

The exemplary listing of the report from the vibration level measurements in A5 format (NON-METRIC units, LOGARITHM scale)

(C) SVANTEK SVAN 947 No.4267
2003/05/24 (v3.07) 18:55:01

File name: 24MAY7
Associated buffer name: Buffe_15

TITLE:
Hotel CAIRO - point 2

----- SETTINGS -----

Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function...: LEVEL METER

Meas. start date...: 2003/05/24
Meas. start hour...: 18:16:54
Range.....: 32.2 g
Ref.level for Acc..: 11 um/s²
Ref.level for Vel..: 1 nm/s
Ref.level for Dil..: 1 pm
Trigger.....: Off
Repeat cycle.....: Infinity
Start delay.....: 1 s
Integration time...: 10 s
Calibr. factor.....: 0.0 dB
RMS integration....: Linear

Profile:	#1	#2	#3
Filter:	HP1	Vell	Dill
Detector:	1.0s	1.0s	2.0s
Buffer:	RMS	RMS	RMS

----- RESULTS -----

Measurement time: 00:00:06

Prof.:	#1	#2	#3
PEAK	118.2dB	138.4dB	159.5dB
P-P	122.8dB	144.3dB	164.2dB
MAX	110.0dB	133.7dB	155.3dB
RMS	109.9dB	133.5dB	153.6dB

The exemplary listing of the report from 1/1 OCTAVE analysis of the vibration signal in A4 format (METRIC units, LINEAR scale)

(C) SVANTEK SVAN 947 No.4267 2003/05/24 (v3.07) 19:18:26

TITLE:

Hotel CAIRO - point 3

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----- SETTINGS -----
Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function....: 1/1 OCTAVE

Meas. start date...: 2003/05/24      Meas. start hour...: 19:17:26
Range.....: 316 m/s2                Ref.level for Acc...: 11 um/s2
Ref.level for Vel...: 1 nm/s        Ref.level for Dil...: 1 pm
Trigger.....: Off                    Repeat cycle.....: Infinity
Start delay.....: 1 s                Integration time...: 6 s
Calibr. factor.....: 0.0 dB          RMS integration...: Linear
Spectrum filter....: HP              Spectrum in buffer.: None

Profile:   #1   #2   #3              Profile:   #1   #2   #3
Filter:    HP1  Vel1  Dill           Detector:  1.0s  1.0s  2.0s
Buffer:    RMS  RMS  RMS

----- RESULTS -----
Measurement time: 00:00:05

Prof.:   #1           #2           #3
PEAK     12.4 m/s2    17.8 mm/s    257 um
P-P      22.9 m/s2    35.5 mm/s    403 um
MAX      7.16 m/s2    11.2 mm/s    234 um
RMS      7.08 m/s2    11.2 mm/s    97.7 um

--- 1/1 OCTAVE ---          --- 1/1 OCTAVE ---          --- 1/1 OCTAVE ---
[Hz]   [m/s2]              [Hz]   [m/s2]              [Hz]   [m/s2]
 1.0   3.89e-3             63.0   1.80e+0             4000.0  9.77e-3
 2.0   5.25e-3             125.0  6.92e+0             8000.0  8.61e-3
 4.0   4.03e-3             250.0  7.76e-1             16000.0 1.66e-2
 8.0   6.03e-3             500.0  4.79e-1             Total   7.08e+0
16.0   7.94e-3             1000.0 1.06e-1
31.5   1.27e-2             2000.0 3.24e-2

```

The exemplary listing of 1/1 OCTAVE analysis of the vibration signal report in A4 format (NON-METRIC units, LINEAR scale)

(C) SVANTEK SVAN 946A No.4267 2003/05/24 (v3.07) 19:24:44

File name: 24MAY15
 Associated buffer name: Buffe_24

TITLE:
 Hotel CAIRO - point 4

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----- SETTINGS -----
Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function....: 1/1 OCTAVE

Meas. start date...: 2003/05/24      Meas. start hour...: 19:23:44
Range.....: 32.2 g                Ref.level for Acc...: 11 um/s2
Ref.level for Vel...: 1 nm/s        Ref.level for Dil...: 1 pm
Trigger.....: Off                    Repeat cycle.....: Infinity
Start delay.....: 1 s                Integration time...: 6 s
Calibr. factor.....: 0.0 dB          RMS integration...: Linear
Spectrum filter....: HP              Spectrum in buffer.: RMS

Profile:   #1   #2   #3              Profile:   #1   #2   #3
Filter:    HP1  Vel1  Dill           Detector:  1.0s  1.0s  2.0s
Buffer:    RMS  RMS  RMS

----- RESULTS -----
Measurement time: 00:00:06

Prof.:   #1           #2           #3
PEAK     11.3 g        4.73 ips     105 mil

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P-P 16.0 g 7.77 ips 202 mil
 MAX 810 mg 1.64 ips 96.6 mil
 RMS 614 mg 1.16 ips 28.9 mil

--- 1/1 OCTAVE ---		--- 1/1 OCTAVE ---		--- 1/1 OCTAVE ---	
[Hz]	[g]	[Hz]	[g]	[Hz]	[g]
1.0	7.38e-4	63.0	1.88e-1	4000.0	1.94e-2
2.0	4.50e-3	125.0	4.77e-1	8000.0	8.10e-3
4.0	4.66e-2	250.0	2.53e-1	16000.0	2.91e-3
8.0	9.96e-2	500.0	1.38e-1	Total	6.14e-1
16.0	1.17e-1	1000.0	3.58e-2		
31.5	1.16e-1	2000.0	3.92e-2		

The exemplary listing of the report from 1/3 OCTAVE analysis of the vibration signal in A4 format (METRIC units, LINEAR scale)

(C) SVANTEK SVAN 947 No.4267 2003/05/24 (v3.07) 19:13:23

TITLE:
 Hotel CAIRO - point 5

----- SETTINGS -----

Device mode.....: VIBR. METER
 Input.....: Accelerometer
 Device function....: 1/3 OCTAVE

Meas. start date...: 2003/05/24	Meas. start hour...: 19:12:02
Range.....: 316 m/s2	Ref.level for Acc...: 11 um/s2
Ref.level for Vel...: 1 nm/s	Ref.level for Dil...: 1 pm
Trigger.....: Off	Repeat cycle.....: Infinity
Start delay.....: 1 s	Integration time...: 6 s
Calibr. factor.....: 0.0 dB	RMS integration....: Linear
Spectrum filter....: HP	Spectrum in buffer.: None

Profile: #1 #2 #3	Profile: #1 #2 #3
Filter: HP1 Vel1 Dill	Detector: 1.0s 1.0s 2.0s
Buffer: RMS RMS RMS	

----- RESULTS -----

Measurement time: 00:00:03

Prof.:	#1	#2	#3
PEAK	5.50 m/s2	7.16 mm/s	87.1 um
P-P	10.4 m/s2	14.3 mm/s	176 um
MAX	2.66 m/s2	3.98 mm/s	363 um
RMS	2.60 m/s2	3.89 mm/s	55.6 um

--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---	
[Hz]	[m/s2]	[Hz]	[m/s2]	[Hz]	[m/s2]
0.80	8.22e-3	31.50	3.51e-3	1250.00	3.02e-2
1.00	5.07e-3	40.00	4.62e-3	1600.00	6.61e-2
1.25	6.17e-3	50.00	2.95e-3	2000.00	2.29e-2
1.60	1.35e-3	63.00	8.51e-3	2500.00	9.55e-3
2.00	1.02e-3	80.00	6.61e-2	3150.00	1.43e-2
2.50	7.59e-4	100.00	2.43e+0	4000.00	8.61e-3
3.15	1.20e-3	125.00	3.31e-1	5000.00	8.13e-3
4.00	1.06e-3	160.00	7.59e-2	6300.00	7.24e-3
5.00	1.55e-3	200.00	2.79e-1	8000.00	6.17e-3
6.30	2.07e-3	250.00	3.43e-1	10000.00	6.68e-3
8.00	1.46e-3	315.00	5.07e-1	12500.00	7.76e-3
10.00	2.45e-3	400.00	7.00e-1	16000.00	9.33e-3
12.50	2.11e-3	500.00	1.22e-1	20000.00	1.23e-2
16.00	2.16e-3	630.00	9.33e-2	Total	2.63e+0
20.00	2.19e-3	800.00	8.41e-2		
25.00	3.51e-3	1000.00	5.25e-2		

The exemplary listing of FFT analysis of the vibration signal in A4 format (NON-METRIC units, LOGARITHM scale)

(C) SVANTEK SVAN 947 No.4267 2003/05/24 (v3.07) 18:47:00

TITLE:
Hotel CAIRO - point 6

----- SETTINGS -----

Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function....: FFT

Meas. start date...: 2003/05/24	Meas. start hour...: 18:18:56
Range.....: 32.2 g	Ref.level for Acc...: 11 um/s2
Ref.level for Vel...: 1 nm/s	Ref.level for Dil...: 1 pm
Trigger.....: Off	Repeat cycle.....: Infinity
Start delay.....: 1 s	Integration time...: 6 s
Calibr. factor.....: 0.0 dB	RMS integration....: Linear
Spectrum filter....: HP	Frequency band.....: 2.5kHz
Smoothing window...: HANNING	Spectra averaging...: LINEAR

Profile: #1 #2 #3	Profile: #1 #2 #3
Filter: HP1 Vel1 Dill	Detector: 1.0s 1.0s 2.0s
Buffer: RMS RMS RMS	

----- RESULTS -----

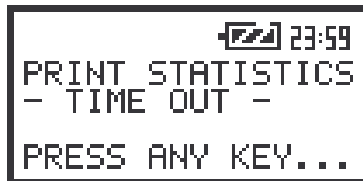
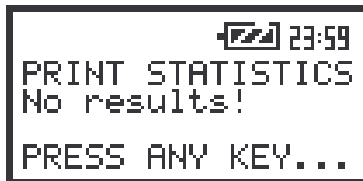
Measurement time: 00:00:03

Prof.:	#1	#2	#3
PEAK	119.6 dB	138.8 dB	158.8 dB
P-P	125.4 dB	144.7 dB	159.5 dB
MAX	112.1 dB	132.7 dB	162.7 dB
RMS	112.1 dB	132.7 dB	150.8 dB

- FFT on display -	- FFT on display -	- FFT on display -
[Hz] [dB]	[Hz] [dB]	[Hz] [dB]
35.94 40.9	62.50 35.9	89.06 54.8
37.50 44.3	64.06 36.9	90.63 55.3
39.06 44.8	65.63 36.1	92.19 58.3
40.63 39.5	67.19 39.4	93.75 58.8
42.19 36.7	68.75 43.3	95.31 59.0
43.75 36.2	70.31 44.1	96.88 60.3
45.31 37.5	71.88 46.0	98.44 60.2
46.88 36.4	73.44 47.2	100.00 61.6
48.44 33.5	75.00 47.9	101.56 66.3
50.00 34.3	76.56 49.0	103.13 75.7
51.56 39.1	78.13 48.4	104.69 96.3
53.13 43.6	79.69 49.7	106.25 106.6
54.69 41.0	81.25 51.6	107.81 104.3
56.25 35.4	82.81 51.0	109.38 85.3
57.81 38.6	84.38 52.5	110.94 71.1
59.38 38.5	85.94 53.1	112.50 62.8
60.94 35.2	87.50 55.1	Total 112.1

PRINTING OF THE STATISTICS OF THE MEASUREMENTS REPORT - PRINT STATISTICS

The user has to press the <ENTER> push-button when the **PRINT STATISTICS** text of the *FILE* list is displayed inversely in order to obtain the listing of the statistics of the measurements performed by the instrument. The statistical analysis is available only for the acoustic signal. The following message appears on the display:



a) b) c)
The view of the display during the proper execution of the **PRINT STATISTICS** operation (a) and in the case when there is something wrong (b, c)

When the message is on the display the data are transferred from the instrument to the attached printer. The format of the listing depends on the setting in the **FORMAT** element (**A4** or **A5**) of the **OPTIONS** sub-list. The ejection of the paper after the printing depends on the setting of the **EJECT P.** element of the same sub-list. The instrument returns to the **REPORT** list after printing all required results. The exemplary listing of the statistics reports in A4 format is presented below.

The exemplary report of the statistics of the measurements from SLM mode in A4 format

(C) SVANTEK SVAN 947 No.4267 2003/05/26 (v3.07) 22:23:54

TITLE:
AEROPORT 324

----- SETTINGS -----
Device mode.....: SOUND METER
Input.....: Microphone
Device function....: LEVEL METER

----- SETTINGS -----
Field correction...: FREE

Meas. start date...: 2003/05/26
Range.....: 130 dB
Repeat cycle.....: Infinity
Integration time...: 3 s
Leq integration....: Linear

Meas. start hour...: 22:22:18
Trigger.....: Off
Start delay.....: 1 s
Calibr. factor.....: 0.6 dB

Profile: #1 #2 #3
Filter: A C LIN
Buffer: PEAK MAX RMS

Profile: #1 #2 #3
Detector: IMP. FAST SLOW

----- STATISTICS -----

----- STATISTICS -----

Measurement time: 00:00:03

Profile:	#1	#2	#3
	[dB A]	[dB C]	[dB]
L01	84.9	91.9	91.9
L02	84.9	91.9	91.9
L03	84.9	91.9	91.9
L04	84.9	91.9	91.9
L05	84.9	91.9	91.9
L06	84.9	91.9	91.9
L07	84.9	91.9	91.9
L08	84.9	91.9	91.9
L09	84.9	91.9	91.9
L10	84.9	91.9	91.9
L11	84.8	91.8	91.8
L12	84.8	91.8	91.8
L13	84.8	91.8	91.8
L14	84.8	91.8	91.8
L15	84.8	91.8	91.8
L16	84.8	91.8	91.8
L17	84.8	91.8	91.8
L18	84.8	91.8	91.8
L19	84.8	91.8	91.8
L20	84.8	91.8	91.8
L21	84.7	91.7	91.7
L22	84.7	91.7	91.7
L23	84.7	91.7	91.7
L24	84.7	91.7	91.7
L25	84.7	91.7	91.7
L26	84.7	91.7	91.7
L27	84.7	91.7	91.7
L28	84.7	91.7	91.7
L29	84.7	91.7	91.7
L30	84.7	91.7	91.7
L31	84.6	91.6	91.6
L32	84.6	91.6	91.6
L33	84.6	91.6	91.6
L34	84.6	91.6	91.6
L35	84.6	91.6	91.6
L36	84.6	91.6	91.6
L37	84.6	91.6	91.6
L38	84.6	91.6	91.6
L39	84.6	91.6	91.6
L40	84.6	91.6	91.6
L41	84.5	91.5	91.5
L42	84.5	91.5	91.5

Profile:	#1	#2	#3
	[dB A]	[dB C]	[dB]
L51	84.4	91.4	91.4
L52	84.4	91.4	91.4
L53	84.4	91.4	91.4
L54	84.4	91.4	91.4
L55	84.4	91.4	91.4
L56	84.4	91.4	91.4
L57	84.4	91.4	91.4
L58	84.4	91.4	91.4
L59	84.4	91.4	91.4
L60	84.4	91.4	91.4
L61	84.3	91.3	91.3
L62	84.3	91.3	91.3
L63	84.3	91.3	91.3
L64	84.3	91.3	91.3
L65	84.3	91.3	91.3
L66	84.3	91.3	91.3
L67	84.3	91.3	91.3
L68	84.3	91.3	91.3
L69	84.3	91.3	91.3
L70	84.3	91.3	91.3
L71	84.2	91.2	91.2
L72	84.2	91.2	91.2
L73	84.2	91.2	91.2
L74	84.2	91.2	91.2
L75	84.2	91.2	91.2
L76	84.2	91.2	91.2
L77	84.2	91.2	91.2
L78	84.2	91.2	91.2
L79	84.2	91.2	91.2
L80	84.2	91.2	91.2
L81	84.1	91.1	91.1
L82	84.1	91.1	91.1
L83	84.1	91.1	91.1
L84	84.1	91.1	91.1
L85	84.1	91.1	91.1
L86	84.1	91.1	91.1
L87	84.1	91.1	91.1
L88	84.1	91.1	91.1
L89	84.1	91.1	91.1
L90	84.1	91.1	91.1
L91	84.0	91.0	91.0
L92	84.0	91.0	91.0

L43	84.5	91.5	91.5	L93	84.0	91.0	91.0
L44	84.5	91.5	91.5	L94	84.0	91.0	91.0
L45	84.5	91.5	91.5	L95	84.0	91.0	91.0
L46	84.5	91.5	91.5	L96	84.0	91.0	91.0
L47	84.5	91.5	91.5	L97	84.0	91.0	91.0
L48	84.5	91.5	91.5	L98	84.0	91.0	91.0
L49	84.5	91.5	91.5	L99	84.0	91.0	91.0
L50	84.5	91.5	91.5				

PRINTING OF THE SELECTED FILE CONTENTS - PRINT FILE

The user has to press the <ENTER> push-button when the **PRINT FILE** text of the *FILE* list is displayed inversely in order to obtain the listing of the contents of the selected file stored in the instrument's memory. The following message appears on the display:



a) b) c)
The view of the display during the proper execution of the **PRINT FILE** operation (a) and in the case when there is something wrong (b, c)

When the message is on the display the data are transferred from the instrument to the attached printer. The format of the listing depends on the setting in the **FORMAT** element (**A4** or **A5**) of the **OPTIONS** sub-list. The ejection of the paper after the printing depends on the setting of the **EJECT P.** element of the same sub-list. The instrument returns to the **REPORT** list after printing all required results. The exemplary listings of the file reports coming from sound or vibration measurements are presented below.

The exemplary listing of the file with 1/1 OCTAVE analysis of the vibration signal in A4 format (NON-METRIC units LOGARITHM scale)

(C) SVANTEK SVAN 947 No.4267 2003/05/24 (v3.07) 18:54:05

File name: 24MAY8
Associated buffer name: Buffe_16

TITLE:
Hotel CAIRO - point 7

----- SETTINGS -----

Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function....: 1/1 OCTAVE

Meas. start date...: 2003/05/24	Meas. start hour...: 18:17:50
Range.....: 32.2 g	Ref.level for Acc...: 11 um/s2
Ref.level for Vel...: 1 nm/s	Ref.level for Dil...: 1 pm
Trigger.....: Off	Repeat cycle.....: Infinity
Start delay.....: 1 s	Integration time...: 6 s
Calibr. factor.....: 0.0 dB	RMS integration....: Linear
Spectrum filter....: HP	Spectrum in buffer.: None

Profile: #1 #2 #3	Profile: #1 #2 #3
Filter: HP1 Vel1 Dil1	Detector: 1.0s 1.0s 2.0s
Buffer: RMS RMS RMS	

----- RESULTS -----

Measurement time: 00:00:02

Prof.: #1 #2 #3		
PEAK 119.4 dB 138.3 dB 157.4 dB		
P-P 125.2 dB 144.1 dB 158.1 dB		
MAX 111.9 dB 132.6 dB 166.6 dB		

RMS	111.8 dB	132.5 dB	151.9 dB		
--- 1/1 OCTAVE ---					
	[Hz]	[dB]	[Hz]	[dB]	[Hz]
	1.0	46.7	63.0	95.1	4000.0
	2.0	43.3	125.0	106.9	8000.0
	4.0	44.7	250.0	107.2	16000.0
	8.0	45.8	500.0	107.1	Total
	16.0	48.0	1000.0	78.2	111.8
	31.5	53.3	2000.0	75.2	

The exemplary listing of the file with 1/1 OCTAVE analysis of the acoustic signal in A4 format

(C) SVANTEK SVAN 947 No.4267 2003/05/26 (v3.07) 21:56:16

File name: 26MAY2
Associated buffer name: Buffer_3

TITLE:
AERORORT 325

----- SETTINGS -----

Device mode.....: SOUND METER	Field correction...: FREE
Input.....: Microphone	
Device function....: 1/1 OCTAVE	
Meas. start date...: 2003/05/26	Meas. start hour...: 16:00:48
Range.....: 130 dB	Trigger.....: Off
Repeat cycle.....: Infinity	Start delay.....: 1 s
Integration time...: 2 s	Calibr. factor.....: 0.6 dB
Leq integration....: Linear	Spectrum filter....: HP
Spectrum in buffer.: None	

Profile: #1 #2 #3	Profile: #1 #2 #3
Filter: A C LIN	Detector: IMP. FAST SLOW
Buffer: PEAK MAX RMS	

----- RESULTS -----

Measurement time: 00:00:02

Prof.:	#1	#2	#3
PEAK	104.4 dB A	104.9 dB C	105.4 dB
MAX	93.6 dB A	92.5 dB C	89.1 dB
MIN	90.0 dB A	74.9 dB C	86.1 dB
SPL	92.9 dB A	92.5 dB C	89.1 dB
LEQ	84.6 dB A	86.8 dB C	87.0 dB
SEL	87.6 dB A	89.8 dB C	90.0 dB
Ld	84.6 dB A	86.8 dB C	87.0 dB
Ltm3	93.6 dB A	92.5 dB C	89.1 dB
Ltm5	93.6 dB A	92.5 dB C	89.1 dB
L90	90.4 dB A	80.0 dB C	86.6 dB

--- 1/1 OCTAVE ---					
	[Hz]	[dB]	[Hz]	[dB]	[Hz]
	1.0	59.9	63.0	63.9	4000.0
	2.0	57.9	125.0	69.6	8000.0
	4.0	56.9	250.0	79.0	16000.0
	8.0	67.5	500.0	84.1	Tot.A
	16.0	67.4	1000.0	80.4	Tot.C
	31.5	68.2	2000.0	72.2	Tot.Lin
					87.0

The exemplary listing of the file with 1/3 OCTAVE analysis of the vibration signal in A4 format (NON-METRIC units, LOGARITHM scale)

(C) SVANTEK SVAN 947 No.4267 2003/05/24 (v3.07) 18:52:46

File name: 24MAY9
Associated buffer name: Buffe_17

TITLE:

Hotel CAIRO - point 8

```

----- SETTINGS -----
Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function....: 1/3 OCTAVE

Meas. start date...: 2003/05/24      Meas. start hour...: 18:18:26
Range.....: 32.2 g                  Ref.level for Acc...: 11 um/s2
Ref.level for Vel...: 1 nm/s        Ref.level for Dil...: 1 pm
Trigger.....: Off                   Repeat cycle.....: Infinity
Start delay.....: 1 s               Integration time...: 6 s
Calibr. factor.....: 0.0 dB         RMS integration...: Linear
Spectrum filter....: HP             Spectrum in buffer.: None

Profile:   #1   #2   #3             Profile:   #1   #2   #3
Filter:    HP1  Vel1  Dill         Detector:  1.0s  1.0s  2.0s
Buffer:    RMS  RMS  RMS
    
```

```

----- RESULTS -----
Measurement time: 00:00:03

Prof.:   #1           #2           #3
PEAK    118.9 dB      136.7 dB      158.8 dB
P-P     124.1 dB      142.5 dB      161.7 dB
MAX     111.1 dB      130.3 dB      174.6 dB
RMS     111.0 dB      129.7 dB      155.0 dB
    
```

--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---	
[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]
0.80	73.5	31.50	49.7	1250.00	66.6
1.00	74.5	40.00	48.8	1600.00	65.1
1.25	75.9	50.00	45.8	2000.00	68.3
1.60	67.3	63.00	51.6	2500.00	63.2
2.00	56.5	80.00	71.7	3150.00	61.3
2.50	50.5	100.00	103.3	4000.00	59.7
3.15	42.2	125.00	86.3	5000.00	56.0
4.00	35.2	160.00	74.1	6300.00	54.9
5.00	43.1	200.00	97.6	8000.00	55.0
6.30	35.9	250.00	85.5	10000.00	55.8
8.00	38.0	315.00	105.8	12500.00	57.0
10.00	37.8	400.00	107.8	16000.00	58.4
12.50	40.1	500.00	91.1	20000.00	61.0
16.00	39.1	630.00	83.9	Total	111.0
20.00	43.8	800.00	76.3		
25.00	49.1	1000.00	73.4		

The exemplary listing of the file with 1/3 OCTAVE analysis of the acoustic signal in A4 format

(C) SVANTEK SVAN 947 No.4267 2003/05/26 (v3.07) 21:59:31

File name: 26MAY5
Associated buffer name: Buffer_6

TITLE:
AEROPORT 326

```

----- SETTINGS -----
Device mode.....: SOUND METER
Input.....: Microphone
Device function....: 1/3 OCTAVE

Meas. start date...: 2003/05/26      Meas. start hour...: 16:04:56
Range.....: 130 dB                  Trigger.....: Off
Repeat cycle.....: Infinity          Start delay.....: 1 s
Integration time...: 2 s             Calibr. factor.....: 0.6 dB
Leq integration...: Linear           Spectrum filter....: HP
Spectrum in buffer.: RMS

Profile:   #1   #2   #3             Profile:   #1   #2   #3
Filter:    A    C    LIN           Detector:  IMP.  FAST  SLOW
Buffer:    PEAK MAX  RMS
    
```

----- RESULTS -----

Measurement time: 00:00:02

Prof.:	#1	#2	#3
PEAK	107.7 dB A	108.4 dB C	108.4 dB
MAX	96.9 dB A	94.7 dB C	91.7 dB
MIN	89.7 dB A	81.0 dB C	89.5 dB
SPL	96.9 dB A	94.7 dB C	91.7 dB
LEQ	87.0 dB A	90.7 dB C	90.7 dB
SEL	90.0 dB A	93.7 dB C	93.7 dB
Ld	87.0 dB A	90.7 dB C	90.7 dB
Ltm3	96.9 dB A	94.7 dB C	91.7 dB
Ltm5	96.9 dB A	94.7 dB C	91.7 dB
L90	90.3 dB A	85.0 dB C	89.6 dB

--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---	
[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]
0.80	61.3	31.50	50.7	1250.00	72.9
1.00	51.0	40.00	60.1	1600.00	79.6
1.25	50.4	50.00	49.7	2000.00	73.3
1.60	62.2	63.00	51.5	2500.00	71.3
2.00	50.2	80.00	51.1	3150.00	68.5
2.50	51.1	100.00	42.6	4000.00	69.2
3.15	54.7	125.00	53.6	5000.00	68.0
4.00	51.6	160.00	58.7	6300.00	55.6
5.00	46.1	200.00	73.1	8000.00	46.2
6.30	50.5	250.00	81.6	10000.00	41.3
8.00	49.9	315.00	86.3	12500.00	42.0
10.00	65.2	400.00	84.0	16000.00	39.8
12.50	63.0	500.00	79.6	20000.00	42.5
16.00	43.8	630.00	80.3	Tot.A	87.0
20.00	48.1	800.00	67.8	Tot.C	90.7
25.00	41.6	1000.00	71.4	Tot.Lin	90.7

The exemplary listing of the file with FFT analysis of the acoustic signal in A4 format

(C) SVANTEK SVAN 947 No.4267 2003/05/26 (v3.07) 21:58:04

File name: 26MAY4
 Associated buffer name: Buffer_5

TITLE:
 WARSAW'S HIGH SCHOOL

----- SETTINGS -----	----- SETTINGS -----
Device mode.....: SOUND METER	Field correction...: FREE
Input.....: Microphone	
Device function....: FFT	
Meas. start date...: 2003/05/26	Meas. start hour...: 16:03:54
Range.....: 130 dB	Trigger.....: Off
Repeat cycle.....: Infinity	Start delay.....: 1 s
Integration time...: 2 s	Calibr. factor....: 0.6 dB
Leq integration....: Linear	Spectrum filter...: HP
Frequency band....: 5.6kHz	Smoothing window...: HANNING
Spectra averaging..: LINEAR	
Profile: #1 #2 #3	Profile: #1 #2 #3
Filter: A C LIN	Detector: IMP. FAST SLOW
Buffer: PEAK MAX RMS	

----- RESULTS -----

Measurement time: 00:00:01

Prof.:	#1	#2	#3
PEAK	107.2 dB A	108.8 dB C	108.5 dB
MAX	96.8 dB A	98.5 dB C	95.9 dB
MIN	93.8 dB A	91.0 dB C	93.9 dB
SPL	96.8 dB A	98.5 dB C	95.9 dB
LEQ	92.2 dB A	96.4 dB C	96.5 dB
SEL	92.2 dB A	96.4 dB C	96.5 dB
Ld	92.2 dB A	96.4 dB C	96.5 dB
Ltm3	96.8 dB A	98.5 dB C	95.9 dB
Ltm5	96.8 dB A	98.5 dB C	95.9 dB
L90	94.2 dB A	93.5 dB C	94.2 dB

----- FFT -----		----- FFT -----		----- FFT -----	
[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]
2.93	60.8	1880.86	58.4	3758.79	55.2
5.86	55.9	1883.79	54.8	3761.72	55.7
8.79	72.7	1886.72	58.2	3764.65	56.9
11.72	78.3	1889.65	58.3	3767.58	55.6
14.65	72.5	1892.58	58.7	3770.51	54.3
17.58	59.9	1895.51	59.7	3773.44	51.6
20.51	57.8	1898.44	61.4	3776.37	50.6
23.44	48.4	1901.37	62.4	3779.30	50.3
26.37	46.9	1904.30	62.2	3782.23	54.4
29.30	53.1	1907.23	60.8	3785.16	57.1
32.23	55.3	1910.16	61.1	3788.09	58.2
35.16	62.3	1913.09	60.7	3791.02	57.6
38.09	68.6	1916.02	60.1	3793.95	53.7
41.02	66.3	1918.95	64.3	3796.88	53.1
43.95	57.8	1921.88	64.3	3799.80	46.6
46.88	50.1	1924.80	63.6	3802.73	53.3
49.80	49.8	1927.73	64.7	3805.66	55.7
52.73	51.7	1930.66	64.5	3808.59	55.2
55.66	59.1	1933.59	61.0	3811.52	55.3
58.59	58.2	1936.52	63.0	3814.45	56.0
61.52	46.6	1939.45	61.2	3817.38	57.4
64.45	47.9	1942.38	62.0	3820.31	56.5
67.38	54.2	1945.31	60.8	3823.24	57.2
70.31	64.9	1948.24	58.2	3826.17	57.8
73.24	64.1	1951.17	58.3	3829.10	59.2
76.17	57.3	1954.10	59.5	3832.03	61.0
79.10	49.3	1957.03	59.4	3834.96	61.5
82.03	37.7	1959.96	60.2	3837.89	60.5
84.96	41.6	1962.89	58.6	3840.82	55.1
87.89	43.1	1965.82	59.1	3843.75	57.7
90.82	42.9	1968.75	62.0	3846.68	56.6
93.75	41.9	1971.68	60.3	3849.61	49.9
96.68	42.0	1974.61	58.5	3852.54	54.5
99.61	42.1	1977.54	57.7	3855.47	49.8
102.54	40.5	1980.47	58.9	3858.40	53.5
105.47	45.3	1983.40	62.0	3861.33	51.9
108.40	45.8	1986.33	62.6	3864.26	49.6
111.33	50.3	1989.26	60.9	3867.19	54.6
114.26	53.9	1992.19	57.5	3870.12	56.3
117.19	56.1	1995.12	59.0	3873.05	58.9
120.12	54.3	1998.05	58.6	3875.98	61.0
123.05	49.0	2000.98	54.6	3878.91	60.7
125.98	49.8	2003.91	58.2	3881.84	59.5
128.91	50.3	2006.84	59.2	3884.77	60.5
131.84	52.6	2009.77	56.8	3887.70	60.8
134.77	53.3	2012.70	52.7	3890.63	59.6
137.70	51.2	2015.63	56.8	3893.55	57.9
140.63	53.1	2018.55	56.9	3896.48	54.1
143.55	54.1	2021.48	56.1	3899.41	50.7
146.48	53.7	2024.41	59.0	3902.34	53.5
149.41	54.4	2027.34	62.1	3905.27	56.0
152.34	56.5	2030.27	61.8	3908.20	56.1
155.27	56.5	2033.20	59.1	3911.13	57.0
158.20	56.3	2036.13	54.8	3914.06	56.9
161.13	58.0	2039.06	58.4	3916.99	55.5
164.06	58.8	2041.99	63.1	3919.92	53.7
166.99	59.7	2044.92	62.1	3922.85	53.5
169.92	59.0	2047.85	59.2	3925.78	53.9
172.85	56.2	2050.78	60.5	3928.71	52.6
175.78	56.3	2053.71	55.7	3931.64	51.9
178.71	59.8	2056.64	56.0	3934.57	51.7
181.64	62.6	2059.57	58.4	3937.50	54.0
184.57	63.3	2062.50	59.4	3940.43	57.0
187.50	62.6	2065.43	57.3	3943.36	59.0
190.43	61.4	2068.36	58.4	3946.29	57.5
193.36	61.9	2071.29	58.6	3949.22	56.8
196.29	62.5	2074.22	55.5	3952.15	57.5
199.22	60.4	2077.15	57.8	3955.08	53.1
202.15	63.0	2080.08	59.5	3958.01	52.7
205.08	61.9	2083.01	57.1	3960.94	55.2
208.01	69.7	2085.94	54.6	3963.87	56.5
210.94	72.8	2088.87	52.9	3966.80	58.4
213.87	73.0	2091.80	52.4	3969.73	58.8
216.80	78.0	2094.73	54.4	3972.66	56.8
219.73	75.6	2097.66	54.3	3975.59	58.4
222.66	77.1	2100.59	55.7	3978.52	58.8
225.59	75.5	2103.52	57.1	3981.45	59.1
228.52	77.0	2106.45	59.5	3984.38	57.5
231.45	77.8	2109.38	60.9	3987.30	56.9
234.38	78.2	2112.30	60.2	3990.23	58.8
237.30	79.3	2115.23	58.2	3993.16	54.4
240.23	80.7	2118.16	56.5	3996.09	57.0
243.16	81.3	2121.09	54.5	3999.02	56.4
246.09	79.9	2124.02	52.2	4001.95	55.7
249.02	80.7	2126.95	54.6	4004.88	55.0
251.95	81.9	2129.88	53.4	4007.81	59.4
254.88	84.5	2132.81	51.4	4010.74	56.5
257.81	85.1	2135.74	56.1	4013.67	59.4
260.74	85.0	2138.67	58.4	4016.60	59.6
263.67	84.9	2141.60	57.6	4019.53	60.0
266.60	84.4	2144.53	57.9	4022.46	59.2

269.53	83.8	2147.46	57.6	4025.39	58.8
272.46	82.1	2150.39	54.8	4028.32	57.9
275.39	81.1	2153.32	52.3	4031.25	57.8
278.32	80.5	2156.25	53.7	4034.18	55.3
281.25	78.5	2159.18	49.9	4037.11	55.8
284.18	77.3	2162.11	54.9	4040.04	55.8
287.11	76.9	2165.04	55.4	4042.97	57.9
290.04	76.9	2167.97	55.5	4045.90	60.7
292.97	78.9	2170.90	57.5	4048.83	59.5
295.90	79.7	2173.83	56.4	4051.76	58.2
298.83	79.0	2176.76	54.8	4054.69	61.0
301.76	78.8	2179.69	54.5	4057.62	59.8
304.69	77.4	2182.62	51.0	4060.55	60.8
307.62	76.9	2185.55	53.4	4063.48	60.3
310.55	75.9	2188.48	51.9	4066.41	58.8
313.48	73.8	2191.41	52.8	4069.34	61.3
316.41	71.6	2194.34	53.3	4072.27	62.3
319.34	73.3	2197.27	53.0	4075.20	61.9
322.27	73.4	2200.20	49.6	4078.13	59.5
325.20	73.4	2203.13	52.7	4081.05	57.9
328.13	73.4	2206.05	54.1	4083.98	57.0
331.05	70.8	2208.98	52.3	4086.91	58.1
333.98	68.9	2211.91	49.7	4089.84	55.1
336.91	66.2	2214.84	48.8	4092.77	57.8
339.84	67.2	2217.77	51.1	4095.70	57.6
342.77	67.2	2220.70	52.5	4098.63	58.1
345.70	67.4	2223.63	54.6	4101.56	57.0
348.63	68.0	2226.56	54.2	4104.49	57.8
351.56	70.1	2229.49	53.5	4107.42	55.3
354.49	69.0	2232.42	52.2	4110.35	58.0
357.42	70.6	2235.35	53.8	4113.28	58.0
360.35	68.9	2238.28	52.8	4116.21	56.9
363.28	71.1	2241.21	50.6	4119.14	56.5
366.21	67.1	2244.14	51.3	4122.07	53.3
369.14	66.1	2247.07	50.4	4125.00	54.2
372.07	64.3	2250.00	50.3	4127.93	57.6
375.00	63.3	2252.93	51.4	4130.86	57.5
377.93	63.1	2255.86	51.9	4133.79	52.9
380.86	63.6	2258.79	51.6	4136.72	52.7
383.79	62.5	2261.72	51.8	4139.65	54.0
386.72	60.2	2264.65	54.5	4142.58	56.2
389.65	60.4	2267.58	55.8	4145.51	58.1
392.58	59.6	2270.51	55.1	4148.44	56.8
395.51	54.9	2273.44	55.9	4151.37	56.2
398.44	54.1	2276.37	57.3	4154.30	54.2
401.37	58.5	2279.30	53.3	4157.23	53.9
404.30	61.5	2282.23	50.2	4160.16	55.2
407.23	63.5	2285.16	49.8	4163.09	54.2
410.16	63.8	2288.09	50.4	4166.02	55.5
413.09	64.6	2291.02	53.1	4168.95	56.2
416.02	65.8	2293.95	52.6	4171.88	55.8
418.95	65.6	2296.88	52.1	4174.80	53.9
421.88	62.2	2299.80	52.5	4177.73	51.0
424.80	59.9	2302.73	54.7	4180.66	45.7
427.73	59.5	2305.66	54.5	4183.59	46.0
430.66	61.1	2308.59	55.8	4186.52	51.6
433.59	55.9	2311.52	55.3	4189.45	54.1
436.52	59.5	2314.45	55.5	4192.38	55.2
439.45	61.0	2317.38	53.4	4195.31	55.6
442.38	57.8	2320.31	48.8	4198.24	53.1
445.31	59.2	2323.24	52.6	4201.17	52.0
448.24	62.5	2326.17	52.5	4204.10	47.8
451.17	66.9	2329.10	51.0	4207.03	48.5
454.10	69.2	2332.03	51.4	4209.96	51.2
457.03	68.9	2334.96	49.4	4212.89	52.3
459.96	67.5	2337.89	48.4	4215.82	52.7
462.89	66.0	2340.82	51.8	4218.75	52.2
465.82	63.3	2343.75	53.2	4221.68	51.7
468.75	65.4	2346.68	54.1	4224.61	51.5
471.68	70.8	2349.61	56.2	4227.54	49.0
474.61	73.4	2352.54	56.4	4230.47	46.9
477.54	75.3	2355.47	54.0	4233.40	46.3
480.47	77.2	2358.40	55.4	4236.33	47.0
483.40	78.8	2361.33	54.2	4239.26	52.7
486.33	78.8	2364.26	52.8	4242.19	52.4
489.26	77.1	2367.19	50.2	4245.12	51.7
492.19	74.1	2370.12	49.9	4248.05	51.8
495.12	70.7	2373.05	50.1	4250.98	48.5
498.05	67.5	2375.98	52.8	4253.91	47.4
500.98	67.5	2378.91	52.8	4256.84	45.6
503.91	69.4	2381.84	51.9	4259.77	41.4
506.84	70.2	2384.77	50.6	4262.70	42.9
509.77	70.5	2387.70	50.7	4265.63	45.6
512.70	69.6	2390.63	52.1	4268.55	47.2
515.63	69.6	2393.55	51.5	4271.48	47.0
518.55	68.4	2396.48	51.3	4274.41	45.6
521.48	66.9	2399.41	55.2	4277.34	43.4
524.41	66.6	2402.34	52.8	4280.27	47.4
527.34	66.7	2405.27	50.7	4283.20	47.9
530.27	67.0	2408.20	53.5	4286.13	46.7
533.20	67.1	2411.13	54.1	4289.06	46.6
536.13	66.9	2414.06	52.8	4291.99	47.5
539.06	68.2	2416.99	51.4	4294.92	45.4
541.99	67.3	2419.92	50.5	4297.85	43.5

544.92	63.2	2422.85	54.3	4300.78	41.7
547.85	63.6	2425.78	54.5	4303.71	42.3
550.78	65.6	2428.71	52.1	4306.64	44.9
553.71	65.5	2431.64	51.7	4309.57	43.8
556.64	63.3	2434.57	51.2	4312.50	48.2
559.57	61.4	2437.50	52.8	4315.43	45.0
562.50	64.4	2440.43	55.0	4318.36	45.7
565.43	64.6	2443.36	51.5	4321.29	47.3
568.36	63.8	2446.29	50.0	4324.22	43.1
571.29	61.9	2449.22	48.3	4327.15	46.9
574.22	61.5	2452.15	45.5	4330.08	41.5
577.15	64.9	2455.08	45.6	4333.01	43.4
580.08	67.2	2458.01	47.3	4335.94	47.2
583.01	68.0	2460.94	45.6	4338.87	45.2
585.94	63.6	2463.87	48.9	4341.80	44.3
588.87	68.0	2466.80	48.7	4344.73	47.2
591.80	68.6	2469.73	49.6	4347.66	45.9
594.73	73.3	2472.66	51.0	4350.59	46.3
597.66	74.3	2475.59	47.8	4353.52	42.5
600.59	75.7	2478.52	51.2	4356.45	45.3
603.52	76.6	2481.45	51.6	4359.38	43.9
606.45	78.7	2484.38	51.0	4362.30	40.9
609.38	78.3	2487.30	49.6	4365.23	46.0
612.30	76.1	2490.23	47.7	4368.16	47.9
615.23	73.1	2493.16	45.5	4371.09	49.6
618.16	72.8	2496.09	46.9	4374.02	49.8
621.09	72.3	2499.02	50.0	4376.95	49.8
624.02	73.8	2501.95	50.7	4379.88	48.2
626.95	71.4	2504.88	49.2	4382.81	49.8
629.88	71.6	2507.81	50.3	4385.74	44.0
632.81	69.3	2510.74	50.3	4388.67	50.1
635.74	69.3	2513.67	51.2	4391.60	46.0
638.67	70.3	2516.60	52.1	4394.53	49.6
641.60	68.7	2519.53	52.3	4397.46	48.8
644.53	67.8	2522.46	53.6	4400.39	51.4
647.46	66.9	2525.39	54.1	4403.32	51.9
650.39	67.6	2528.32	53.3	4406.25	49.6
653.32	68.4	2531.25	51.2	4409.18	53.7
656.25	68.2	2534.18	46.7	4412.11	53.3
659.18	65.7	2537.11	47.6	4415.04	49.0
662.11	66.3	2540.04	49.5	4417.97	54.7
665.04	66.6	2542.97	50.3	4420.90	54.7
667.97	67.6	2545.90	49.8	4423.83	56.0
670.90	68.0	2548.83	48.3	4426.76	56.5
673.83	67.9	2551.76	51.5	4429.69	51.9
676.76	66.2	2554.69	52.0	4432.62	50.8
679.69	64.2	2557.62	50.2	4435.55	50.8
682.62	62.6	2560.55	49.3	4438.48	47.7
685.55	63.0	2563.48	53.1	4441.41	52.4
688.48	64.9	2566.41	54.9	4444.34	48.4
691.41	66.2	2569.34	54.2	4447.27	51.0
694.34	66.6	2572.27	54.2	4450.20	51.2
697.27	64.4	2575.20	56.0	4453.13	48.1
700.20	61.5	2578.13	56.7	4456.05	50.0
703.13	60.1	2581.05	55.4	4458.98	52.0
706.05	59.6	2583.98	53.8	4461.91	54.1
708.98	59.8	2586.91	51.8	4464.84	52.6
711.91	60.8	2589.84	53.1	4467.77	50.7
714.84	63.0	2592.77	53.1	4470.70	51.0
717.77	63.7	2595.70	53.4	4473.63	51.8
720.70	66.4	2598.63	53.8	4476.56	53.2
723.63	67.7	2601.56	54.8	4479.49	49.8
726.56	70.2	2604.49	56.4	4482.42	52.2
729.49	68.9	2607.42	57.9	4485.35	54.9
732.42	67.9	2610.35	57.7	4488.28	52.6
735.35	66.1	2613.28	52.9	4491.21	50.7
738.28	65.1	2616.21	51.0	4494.14	53.0
741.21	63.9	2619.14	55.3	4497.07	52.3
744.14	63.8	2622.07	57.8	4500.00	50.6
747.07	62.9	2625.00	56.6	4502.93	48.7
750.00	63.8	2627.93	54.9	4505.86	49.6
752.93	66.7	2630.86	55.5	4508.79	51.8
755.86	64.7	2633.79	53.2	4511.72	52.4
758.79	64.4	2636.72	52.7	4514.65	55.3
761.72	65.4	2639.65	54.6	4517.58	56.1
764.65	61.3	2642.58	55.9	4520.51	54.0
767.58	61.7	2645.51	55.4	4523.44	51.0
770.51	64.6	2648.44	54.3	4526.37	47.8
773.44	62.8	2651.37	51.5	4529.30	46.6
776.37	61.8	2654.30	55.6	4532.23	52.8
779.30	62.1	2657.23	54.9	4535.16	46.8
782.23	63.4	2660.16	54.2	4538.09	48.8
785.16	63.3	2663.09	56.8	4541.02	49.4
788.09	62.6	2666.02	57.2	4543.95	51.5
791.02	59.8	2668.95	54.4	4546.88	52.3
793.95	59.3	2671.88	55.2	4549.80	52.3
796.88	60.8	2674.80	56.6	4552.73	52.3
799.80	62.3	2677.73	55.0	4555.66	52.8
802.73	62.8	2680.66	57.8	4558.59	54.2
805.66	63.0	2683.59	57.8	4561.52	56.9
808.59	63.2	2686.52	50.8	4564.45	58.4
811.52	64.7	2689.45	53.6	4567.38	56.4
814.45	65.0	2692.38	56.1	4570.31	52.5
817.38	63.3	2695.31	57.0	4573.24	50.8

820.31	59.8	2698.24	56.7	4576.17	50.4
823.24	60.3	2701.17	56.3	4579.10	47.3
826.17	57.9	2704.10	57.0	4582.03	52.1
829.10	56.2	2707.03	55.7	4584.96	52.8
832.03	58.0	2709.96	56.1	4587.89	52.1
834.96	59.9	2712.89	55.9	4590.82	57.2
837.89	61.4	2715.82	54.4	4593.75	51.8
840.82	62.9	2718.75	56.2	4596.68	57.5
843.75	64.6	2721.68	56.1	4599.61	53.5
846.68	65.2	2724.61	53.1	4602.54	52.4
849.61	65.2	2727.54	52.7	4605.47	55.6
852.54	63.9	2730.47	52.9	4608.40	56.9
855.47	62.3	2733.40	52.7	4611.33	56.3
858.40	60.4	2736.33	51.4	4614.26	55.4
861.33	61.2	2739.26	55.3	4617.19	54.3
864.26	62.1	2742.19	57.3	4620.12	51.4
867.19	62.3	2745.12	56.4	4623.05	55.8
870.12	60.6	2748.05	56.8	4625.98	59.5
873.05	59.0	2750.98	53.6	4628.91	54.7
875.98	53.5	2753.91	56.9	4631.84	56.5
878.91	58.5	2756.84	58.7	4634.77	56.5
881.84	57.7	2759.77	55.7	4637.70	53.1
884.77	57.1	2762.70	56.7	4640.63	52.5
887.70	58.4	2765.63	58.7	4643.55	55.3
890.63	58.4	2768.55	57.7	4646.48	55.9
893.55	59.0	2771.48	59.3	4649.41	54.5
896.48	55.8	2774.41	54.5	4652.34	57.5
899.41	57.1	2777.34	57.0	4655.27	54.4
902.34	59.7	2780.27	53.9	4658.20	52.9
905.27	60.8	2783.20	56.7	4661.13	53.8
908.20	60.8	2786.13	54.1	4664.06	57.1
911.13	62.0	2789.06	52.4	4666.99	56.8
914.06	61.7	2791.99	51.4	4669.92	58.9
916.99	59.6	2794.92	53.5	4672.85	56.5
919.92	58.7	2797.85	53.9	4675.78	53.1
922.85	59.3	2800.78	56.5	4678.71	53.9
925.78	57.6	2803.71	59.5	4681.64	56.0
928.71	54.7	2806.64	57.1	4684.57	57.8
931.64	51.6	2809.57	55.6	4687.50	56.5
934.57	51.8	2812.50	58.4	4690.43	59.0
937.50	53.7	2815.43	56.3	4693.36	61.5
940.43	56.5	2818.36	59.1	4696.29	58.5
943.36	57.5	2821.29	57.9	4699.22	61.0
946.29	56.2	2824.22	61.9	4702.15	62.0
949.22	55.8	2827.15	62.2	4705.08	58.1
952.15	54.4	2830.08	61.0	4708.01	60.5
955.08	55.7	2833.01	59.5	4710.94	59.7
958.01	57.4	2835.94	53.3	4713.87	56.7
960.94	59.8	2838.87	59.0	4716.80	54.9
963.87	61.9	2841.80	59.4	4719.73	52.6
966.80	63.9	2844.73	58.6	4722.66	53.6
969.73	62.3	2847.66	57.3	4725.59	57.2
972.66	60.6	2850.59	57.7	4728.52	58.4
975.59	58.2	2853.52	59.4	4731.45	57.6
978.52	59.5	2856.45	60.3	4734.38	59.7
981.45	58.2	2859.38	59.9	4737.30	56.8
984.38	60.4	2862.30	56.0	4740.23	54.3
987.30	59.5	2865.23	55.3	4743.16	58.0
990.23	61.2	2868.16	61.8	4746.09	56.3
993.16	61.8	2871.09	63.3	4749.02	56.0
996.09	63.5	2874.02	63.4	4751.95	55.9
999.02	64.4	2876.95	62.9	4754.88	58.2
1001.95	64.1	2879.88	59.5	4757.81	56.3
1004.88	62.7	2882.81	57.9	4760.74	58.6
1007.81	61.5	2885.74	57.8	4763.67	58.0
1010.74	59.8	2888.67	59.9	4766.60	56.6
1013.67	62.0	2891.60	57.3	4769.53	56.0
1016.60	62.2	2894.53	53.0	4772.46	53.5
1019.53	61.3	2897.46	56.8	4775.39	54.5
1022.46	60.3	2900.39	60.6	4778.32	54.4
1025.39	59.1	2903.32	62.1	4781.25	54.4
1028.32	58.8	2906.25	60.9	4784.18	57.1
1031.25	59.0	2909.18	58.1	4787.11	56.6
1034.18	58.3	2912.11	56.2	4790.04	56.5
1037.11	56.0	2915.04	59.9	4792.97	55.4
1040.04	55.0	2917.97	60.6	4795.90	58.8
1042.97	57.0	2920.90	59.6	4798.83	54.1
1045.90	56.5	2923.83	58.1	4801.76	55.4
1048.83	56.6	2926.76	58.6	4804.69	54.7
1051.76	59.9	2929.69	62.2	4807.62	56.3
1054.69	60.8	2932.62	62.8	4810.55	58.9
1057.62	62.2	2935.55	61.0	4813.48	57.8
1060.55	62.5	2938.48	58.9	4816.41	58.1
1063.48	61.5	2941.41	56.9	4819.34	58.6
1066.41	62.0	2944.34	55.4	4822.27	56.5
1069.34	62.8	2947.27	59.0	4825.20	55.9
1072.27	63.8	2950.20	60.2	4828.13	54.3
1075.20	60.9	2953.13	58.3	4831.05	56.4
1078.13	58.6	2956.05	57.0	4833.98	56.0
1081.05	62.6	2958.98	58.6	4836.91	54.7
1083.98	64.2	2961.91	61.0	4839.84	55.7
1086.91	65.5	2964.84	61.7	4842.77	53.8
1089.84	63.8	2967.77	60.6	4845.70	58.1
1092.77	64.0	2970.70	56.6	4848.63	59.4

1095.70	62.6	2973.63	54.2	4851.56	57.7
1098.63	59.9	2976.56	55.7	4854.49	57.0
1101.56	61.8	2979.49	55.2	4857.42	57.9
1104.49	62.7	2982.42	54.3	4860.35	57.4
1107.42	61.6	2985.35	51.2	4863.28	56.5
1110.35	61.7	2988.28	51.2	4866.21	58.5
1113.28	61.1	2991.21	54.0	4869.14	55.9
1116.21	60.4	2994.14	56.9	4872.07	52.8
1119.14	59.8	2997.07	59.1	4875.00	52.8
1122.07	59.7	3000.00	58.9	4877.93	48.2
1125.00	60.0	3002.93	56.6	4880.86	50.5
1127.93	60.8	3005.86	55.2	4883.79	50.0
1130.86	59.5	3008.79	54.2	4886.72	47.8
1133.79	60.1	3011.72	55.5	4889.65	48.7
1136.72	60.3	3014.65	54.7	4892.58	49.1
1139.65	59.0	3017.58	50.0	4895.51	47.6
1142.58	58.0	3020.51	48.8	4898.44	45.2
1145.51	57.1	3023.44	49.8	4901.37	50.5
1148.44	57.1	3026.37	51.4	4904.30	50.1
1151.37	59.2	3029.30	51.0	4907.23	52.2
1154.30	59.7	3032.23	52.9	4910.16	53.7
1157.23	59.5	3035.16	54.4	4913.09	55.0
1160.16	59.7	3038.09	54.2	4916.02	54.1
1163.09	59.4	3041.02	55.1	4918.95	54.4
1166.02	59.3	3043.95	54.2	4921.88	53.4
1168.95	58.0	3046.88	52.8	4924.80	52.5
1171.88	55.1	3049.80	51.3	4927.73	53.5
1174.80	55.3	3052.73	50.5	4930.66	51.1
1177.73	55.7	3055.66	53.0	4933.59	53.7
1180.66	56.4	3058.59	55.6	4936.52	54.1
1183.59	56.5	3061.52	55.7	4939.45	53.1
1186.52	52.7	3064.45	56.1	4942.38	52.4
1189.45	51.4	3067.38	56.1	4945.31	51.7
1192.38	54.3	3070.31	54.3	4948.24	45.6
1195.31	58.1	3073.24	52.5	4951.17	50.0
1198.24	59.8	3076.17	50.9	4954.10	47.5
1201.17	58.6	3079.10	49.6	4957.03	51.6
1204.10	55.2	3082.03	53.9	4959.96	51.9
1207.03	58.2	3084.96	55.1	4962.89	51.4
1209.96	59.2	3087.89	54.9	4965.82	51.8
1212.89	57.8	3090.82	53.2	4968.75	48.4
1215.82	55.6	3093.75	52.6	4971.68	47.3
1218.75	52.6	3096.68	52.4	4974.61	45.2
1221.68	51.7	3099.61	50.9	4977.54	49.9
1224.61	50.6	3102.54	53.2	4980.47	49.6
1227.54	51.7	3105.47	54.3	4983.40	51.0
1230.47	48.8	3108.40	54.6	4986.33	50.8
1233.40	46.0	3111.33	55.7	4989.26	47.3
1236.33	43.8	3114.26	54.5	4992.19	48.9
1239.26	49.3	3117.19	50.7	4995.12	47.2
1242.19	45.4	3120.12	49.9	4998.05	44.6
1245.12	44.1	3123.05	47.8	5000.98	45.4
1248.05	42.4	3125.98	45.4	5003.91	40.8
1250.98	45.3	3128.91	45.4	5006.84	43.9
1253.91	43.7	3131.84	46.7	5009.77	45.7
1256.84	42.3	3134.77	46.8	5012.70	45.9
1259.77	43.1	3137.70	47.0	5015.63	47.1
1262.70	42.7	3140.63	49.5	5018.55	46.0
1265.63	43.0	3143.55	49.9	5021.48	44.9
1268.55	45.9	3146.48	48.2	5024.41	43.3
1271.48	47.6	3149.41	48.2	5027.34	45.5
1274.41	47.0	3152.34	50.8	5030.27	41.1
1277.34	47.4	3155.27	49.9	5033.20	45.0
1280.27	48.1	3158.20	49.6	5036.13	38.9
1283.20	45.7	3161.13	45.3	5039.06	46.6
1286.13	44.0	3164.06	46.9	5041.99	42.4
1289.06	44.1	3166.99	49.0	5044.92	45.2
1291.99	42.1	3169.92	51.2	5047.85	47.3
1294.92	42.3	3172.85	53.0	5050.78	47.3
1297.85	43.9	3175.78	52.3	5053.71	50.1
1300.78	46.2	3178.71	51.8	5056.64	46.3
1303.71	47.7	3181.64	51.8	5059.57	47.1
1306.64	48.6	3184.57	53.5	5062.50	46.9
1309.57	46.3	3187.50	55.0	5065.43	43.1
1312.50	48.0	3190.43	54.1	5068.36	46.7
1315.43	48.4	3193.36	52.4	5071.29	43.4
1318.36	48.8	3196.29	49.4	5074.22	42.1
1321.29	50.9	3199.22	48.5	5077.15	46.0
1324.22	54.2	3202.15	49.9	5080.08	42.4
1327.15	56.6	3205.08	49.7	5083.01	45.6
1330.08	57.7	3208.01	52.9	5085.94	40.6
1333.01	56.8	3210.94	51.6	5088.87	40.2
1335.94	54.6	3213.87	50.5	5091.80	42.6
1338.87	49.7	3216.80	52.0	5094.73	42.6
1341.80	47.8	3219.73	52.7	5097.66	43.5
1344.73	49.5	3222.66	53.1	5100.59	40.7
1347.66	48.6	3225.59	48.3	5103.52	43.3
1350.59	49.6	3228.52	50.2	5106.45	43.1
1353.52	47.2	3231.45	51.3	5109.38	42.7
1356.45	47.4	3234.38	54.6	5112.30	45.0
1359.38	46.5	3237.30	54.6	5115.23	45.5
1362.30	45.1	3240.23	55.3	5118.16	45.6
1365.23	46.3	3243.16	54.0	5121.09	45.8
1368.16	49.6	3246.09	53.8	5124.02	40.2

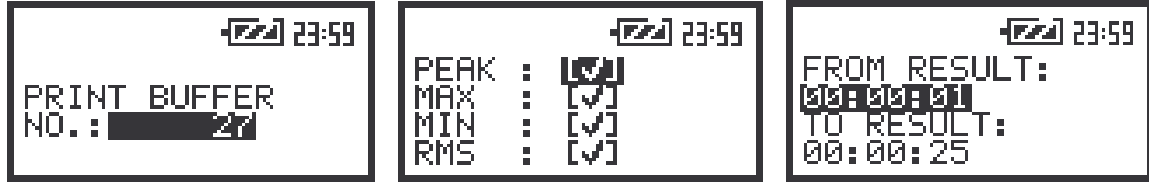
1371.09	49.4	3249.02	53.1	5126.95	42.2
1374.02	50.1	3251.95	52.1	5129.88	42.5
1376.95	50.4	3254.88	54.9	5132.81	41.7
1379.88	50.2	3257.81	53.7	5135.74	40.9
1382.81	51.7	3260.74	54.8	5138.67	40.2
1385.74	51.3	3263.67	52.7	5141.60	39.7
1388.67	52.5	3266.60	55.7	5144.53	37.4
1391.60	51.2	3269.53	51.5	5147.46	37.9
1394.53	52.2	3272.46	55.9	5150.39	33.7
1397.46	52.6	3275.39	54.0	5153.32	31.6
1400.39	51.4	3278.32	55.8	5156.25	36.7
1403.32	54.4	3281.25	56.9	5159.18	35.8
1406.25	52.7	3284.18	54.6	5162.11	39.2
1409.18	53.5	3287.11	57.4	5165.04	39.9
1412.11	52.4	3290.04	55.8	5167.97	36.7
1415.04	49.5	3292.97	52.3	5170.90	36.6
1417.97	51.9	3295.90	52.1	5173.83	36.2
1420.90	50.6	3298.83	46.4	5176.76	40.7
1423.83	54.6	3301.76	52.9	5179.69	44.0
1426.76	54.6	3304.69	51.3	5182.62	44.2
1429.69	55.2	3307.62	55.1	5185.55	44.4
1432.62	56.2	3310.55	51.9	5188.48	43.0
1435.55	57.7	3313.48	50.0	5191.41	40.9
1438.48	57.1	3316.41	49.0	5194.34	39.1
1441.41	59.0	3319.34	46.3	5197.27	33.5
1444.34	60.4	3322.27	53.8	5200.20	34.6
1447.27	61.8	3325.20	53.0	5203.13	38.2
1450.20	60.8	3328.13	51.4	5206.05	39.2
1453.13	56.9	3331.05	53.6	5208.98	39.2
1456.05	57.2	3333.98	56.3	5211.91	38.1
1458.98	54.4	3336.91	54.6	5214.84	35.4
1461.91	54.1	3339.84	53.0	5217.77	32.3
1464.84	54.8	3342.77	52.0	5220.70	26.0
1467.77	54.2	3345.70	49.8	5223.63	31.7
1470.70	54.2	3348.63	49.7	5226.56	32.9
1473.63	54.9	3351.56	53.4	5229.49	34.2
1476.56	56.0	3354.49	55.4	5232.42	33.1
1479.49	57.2	3357.42	55.5	5235.35	28.0
1482.42	58.2	3360.35	55.0	5238.28	26.3
1485.35	58.3	3363.28	52.3	5241.21	29.4
1488.28	60.5	3366.21	48.2	5244.14	34.5
1491.21	63.2	3369.14	49.7	5247.07	35.8
1494.14	64.2	3372.07	49.6	5250.00	33.8
1497.07	62.4	3375.00	49.9	5252.93	35.0
1500.00	60.5	3377.93	49.5	5255.86	29.1
1502.93	58.9	3380.86	47.4	5258.79	27.3
1505.86	60.2	3383.79	52.2	5261.72	30.5
1508.79	63.1	3386.72	52.9	5264.65	26.8
1511.72	63.6	3389.65	57.3	5267.58	29.7
1514.65	64.5	3392.58	57.6	5270.51	27.5
1517.58	64.5	3395.51	56.9	5273.44	27.0
1520.51	63.6	3398.44	58.5	5276.37	29.6
1523.44	61.8	3401.37	54.4	5279.30	31.2
1526.37	58.9	3404.30	47.4	5282.23	29.6
1529.30	59.2	3407.23	45.9	5285.16	25.2
1532.23	60.1	3410.16	47.3	5288.09	23.7
1535.16	59.6	3413.09	46.4	5291.02	23.7
1538.09	58.4	3416.02	50.8	5293.95	23.2
1541.02	59.2	3418.95	55.3	5296.88	24.7
1543.95	58.4	3421.88	49.2	5299.80	28.4
1546.88	57.1	3424.80	53.5	5302.73	30.1
1549.80	56.9	3427.73	51.3	5305.66	29.3
1552.73	57.4	3430.66	53.3	5308.59	32.2
1555.66	57.8	3433.59	54.0	5311.52	28.9
1558.59	56.6	3436.52	53.6	5314.45	26.0
1561.52	56.8	3439.45	50.0	5317.38	26.7
1564.45	58.9	3442.38	54.5	5320.31	19.9
1567.38	59.8	3445.31	54.4	5323.24	24.8
1570.31	61.1	3448.24	56.4	5326.17	28.9
1573.24	60.2	3451.17	58.1	5329.10	29.5
1576.17	59.5	3454.10	52.7	5332.03	30.9
1579.10	60.1	3457.03	58.1	5334.96	30.9
1582.03	59.4	3459.96	54.4	5337.89	30.1
1584.96	59.9	3462.89	55.0	5340.82	29.9
1587.89	61.3	3465.82	50.5	5343.75	32.0
1590.82	60.9	3468.75	48.2	5346.68	32.9
1593.75	61.0	3471.68	50.1	5349.61	33.8
1596.68	62.9	3474.61	55.5	5352.54	34.0
1599.61	64.0	3477.54	56.6	5355.47	35.1
1602.54	63.9	3480.47	55.6	5358.40	34.7
1605.47	63.3	3483.40	54.7	5361.33	33.1
1608.40	62.4	3486.33	53.1	5364.26	30.3
1611.33	60.7	3489.26	53.1	5367.19	30.0
1614.26	59.3	3492.19	53.2	5370.12	28.7
1617.19	57.0	3495.12	54.8	5373.05	28.3
1620.12	57.5	3498.05	56.1	5375.98	28.0
1623.05	54.7	3500.98	56.0	5378.91	26.1
1625.98	56.1	3503.91	55.3	5381.84	29.9
1628.91	58.2	3506.84	55.6	5384.77	32.1
1631.84	58.5	3509.77	54.6	5387.70	35.0
1634.77	59.9	3512.70	57.1	5390.63	36.1
1637.70	58.6	3515.63	54.5	5393.55	36.4
1640.63	58.5	3518.55	55.3	5396.48	34.7
1643.55	58.5	3521.48	55.0	5399.41	32.0

1646.48	58.3	3524.41	56.2	5402.34	28.3
1649.41	60.1	3527.34	57.3	5405.27	27.3
1652.34	61.7	3530.27	56.8	5408.20	28.9
1655.27	62.9	3533.20	62.0	5411.13	30.3
1658.20	63.1	3536.13	57.8	5414.06	28.2
1661.13	63.0	3539.06	59.3	5416.99	28.0
1664.06	62.3	3541.99	55.7	5419.92	17.9
1666.99	60.1	3544.92	55.1	5422.85	30.4
1669.92	57.6	3547.85	52.6	5425.78	29.2
1672.85	58.9	3550.78	56.1	5428.71	30.3
1675.78	60.5	3553.71	53.2	5431.64	30.6
1678.71	61.5	3556.64	59.6	5434.57	29.9
1681.64	62.9	3559.57	57.4	5437.50	30.7
1684.57	62.3	3562.50	59.2	5440.43	25.8
1687.50	63.4	3565.43	59.3	5443.36	17.8
1690.43	62.1	3568.36	57.4	5446.29	21.0
1693.36	60.0	3571.29	56.2	5449.22	20.0
1696.29	57.5	3574.22	54.6	5452.15	19.8
1699.22	57.7	3577.15	57.1	5455.08	19.3
1702.15	58.3	3580.08	56.1	5458.01	21.7
1705.08	58.9	3583.01	57.7	5460.94	22.7
1708.01	60.0	3585.94	59.5	5463.87	25.6
1710.94	60.5	3588.87	57.0	5466.80	26.1
1713.87	59.6	3591.80	56.2	5469.73	26.4
1716.80	58.5	3594.73	57.6	5472.66	28.6
1719.73	56.9	3597.66	58.0	5475.59	29.3
1722.66	56.7	3600.59	56.5	5478.52	30.5
1725.59	58.4	3603.52	55.4	5481.45	31.8
1728.52	59.2	3606.45	53.1	5484.38	31.8
1731.45	58.4	3609.38	48.8	5487.30	31.1
1734.38	59.2	3612.30	51.9	5490.23	29.2
1737.30	59.7	3615.23	55.1	5493.16	28.5
1740.23	57.7	3618.16	57.0	5496.09	28.0
1743.16	55.1	3621.09	58.2	5499.02	27.5
1746.09	54.9	3624.02	55.6	5501.95	28.2
1749.02	55.5	3626.95	54.9	5504.88	28.5
1751.95	55.9	3629.88	53.8	5507.81	28.3
1754.88	55.1	3632.81	54.2	5510.74	28.4
1757.81	52.6	3635.74	55.4	5513.67	26.6
1760.74	54.3	3638.67	56.8	5516.60	24.7
1763.67	56.6	3641.60	58.6	5519.53	21.1
1766.60	57.3	3644.53	59.4	5522.46	20.1
1769.53	59.1	3647.46	55.8	5525.39	21.5
1772.46	60.3	3650.39	54.4	5528.32	22.1
1775.39	58.8	3653.32	54.4	5531.25	21.5
1778.32	55.0	3656.25	55.5	5534.18	21.8
1781.25	54.4	3659.18	55.4	5537.11	17.9
1784.18	58.0	3662.11	55.4	5540.04	21.1
1787.11	59.5	3665.04	53.5	5542.97	20.0
1790.04	60.0	3667.97	51.2	5545.90	20.9
1792.97	57.0	3670.90	57.3	5548.83	21.3
1795.90	56.3	3673.83	55.9	5551.76	22.4
1798.83	55.3	3676.76	57.3	5554.69	22.3
1801.76	59.0	3679.69	57.3	5557.62	18.5
1804.69	62.8	3682.62	56.9	5560.55	21.0
1807.62	63.1	3685.55	59.0	5563.48	21.1
1810.55	63.5	3688.48	56.5	5566.41	24.5
1813.48	65.8	3691.41	59.4	5569.34	24.8
1816.41	64.8	3694.34	57.9	5572.27	22.4
1819.34	64.0	3697.27	56.1	5575.20	19.7
1822.27	65.1	3700.20	58.1	5578.13	16.9
1825.20	64.5	3703.13	53.6	5581.05	17.3
1828.13	62.3	3706.05	56.2	5583.98	12.2
1831.05	64.3	3708.98	53.2	5586.91	19.7
1833.98	64.3	3711.91	49.1	5589.84	17.3
1836.91	61.5	3714.84	50.3	5592.77	16.8
1839.84	60.8	3717.77	50.9	5595.70	20.1
1842.77	62.3	3720.70	55.3	5598.63	15.9
1845.70	62.7	3723.63	54.3	5601.56	21.1
1848.63	61.2	3726.56	56.9	5604.49	18.5
1851.56	60.0	3729.49	57.6	5607.42	19.9
1854.49	57.3	3732.42	56.9	5610.35	15.2
1857.42	57.6	3735.35	58.5	5613.28	18.1
1860.35	58.1	3738.28	60.5	5616.21	16.6
1863.28	59.5	3741.21	59.6	5619.14	16.8
1866.21	62.4	3744.14	57.9	5622.07	21.4
1869.14	63.2	3747.07	56.2	5625.00	19.6
1872.07	61.3	3750.00	55.6	Total	96.1
1875.00	59.1	3752.93	54.1		
1877.93	57.9	3755.86	54.1		

PRINTING OF THE CONTENTS OF THE SELECTED FILE FROM THE BUFFER - PRINT BUFFER

The user has to press the <ENTER> push-button when the **PRINT BUFFER** text of the *FILE* list is displayed inversely in order to obtain the listing of the contents of the selected file from the instrument's. The user can select the number of the file from the buffer and the results which should be printed. For example one can deduct from the

Figures given below that the **PEAK** values were stored in the buffer's file in the first profile, the **MAX** values in the second profile, the **MIN** values in the third profile and the **RMS** values in **1/1 OCTAVE** or **1/3 OCTAVE** analysis. All these results should be printed out ([✓]). The user can select, after next pressing the <ENTER> push button, which part of the results stored in the buffer should be printed out by setting start (the **FROM RESULT** line) and end time (the **TO RESULT** line). After the selection and pressing once more the <ENTER> push button the special message appears on the display.



The view of the displays during the setting of the parameters for the buffer's file report



The view of the display during the proper execution of the PRINT BUFFER operation (a) and in the case when there is something wrong (b, c)

When the message is on the display the data are transferred from the instrument to the attached printer. The format of the listing depends on the setting in the **FORMAT** element (**A4** or **A5**) of the **OPTIONS** sub-list. The ejection of the paper after the printing depends on the setting of the **EJECT P.** element of the same sub-list. The instrument returns to the **REPORT** list after printing all required results. The exemplary listings of the buffer's file reports in both formats coming from sound or vibration measurements and analysis are presented below.

The exemplary report of the buffer's file with the acoustic signal measurements in A4 format

(C) SVANTEK SVAN 947 No.4267 2003/05/26 (v3.07) 22:01:21

Buffer name: Buffer_1
Associated file name: 26MAY0

TITLE:
WARSAW UNIVERSITY OF TECHNOLOGY

----- SETTINGS -----

Device mode.....: SOUND METER
Input.....: Microphone
Device function....: LEVEL METER

Meas. start date...: 2003/05/26
Range.....: 130 dB
Repeat cycle.....: Infinity
Integration time...: 1 s
Leq integration....: Linear

Profile:	#1	#2	#3
Filter:	A	C	LIN
Buffer:	PEAK	MAX	RMS

----- SETTINGS -----

Field correction...: FREE

Meas. start hour...: 15:58:26
Trigger.....: Off
Start delay.....: 1 s
Calibr. factor.....: 0.6 dB

Profile:	#1	#2	#3
Detector:	IMP.	FAST	SLOW

----- BUFFER -----

Profile:	#1	#2	#3
Time	[dB A]	[dB C]	[dB]
00:00:00.5	79.1	70.3	69.5
00:00:01.0	81.2	71.1	68.3
00:00:01.5	81.9	72.3	71.2
00:00:02.0	81.5	74.5	73.5
00:00:02.5	82.4	75.7	74.5
00:00:03.0	84.6	80.3	79.4

00:00:03.5	89.1	83.9	82.5
00:00:04.0	91.3	86.2	85.5
00:00:04.5	93.6	87.4	86.7
00:00:05.0	90.6	87.4	82.7
00:00:05.5	89.9	82.6	80.4
00:00:06.0	89.0	81.4	79.7
00:00:06.5	89.3	81.8	80.8
00:00:07.0	89.0	80.8	77.6
00:00:07.5	90.3	80.8	79.9
00:00:08.0	91.3	85.4	83.2
00:00:08.5	89.6	83.7	79.4
00:00:09.0	91.4	82.7	81.3

The exemplary report of the buffer's file in A4 format with the vibration signal measurements (NON-METRIC units, LOGARITHM scale)

(C) SVANTEK SVAN 947 No.4267 2003/05/24 (v3.07) 19:06:33

Buffer name: Buffe_13
Associated file name: 24MAY5

TITLE:
Hotel CAIRO - point 10

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

Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function....: LEVEL METER

Meas. start date...: 2003/05/24
Range.....: 32.2 g
Ref.level for Vel..: 1 nm/s
Trigger.....: Off
Start delay.....: 1 s
Calibr. factor.....: 0.0 dB

Meas. start hour...: 18:15:10
Ref.level for Acc..: 11 um/s2
Ref.level for Dil..: 1 pm
Repeat cycle.....: Infinity
Integration time...: 10 s
RMS integration....: Linear

Profile: #1 #2 #3
Filter: HP1 Vel1 Dil1
Buffer: MAX P-P RMS

Profile: #1 #2 #3
Detector: 1.0s 1.0s 2.0s

----- BUFFER -----

Profile:	#1	#2	#3
Time	[dB]	[dB]	[dB]
00:00:00.5	109.6	143.1	157.2
00:00:01.0	110.0	142.9	156.9
00:00:01.5	110.3	143.1	162.2
00:00:02.0	110.4	142.4	155.9
00:00:02.5	110.5	142.5	157.4
00:00:03.0	110.5	142.4	151.0
00:00:03.5	110.5	142.6	158.9
00:00:04.0	110.5	142.4	154.5
00:00:04.5	110.5	142.4	157.8
00:00:05.0	110.5	142.5	148.3
00:00:05.5	110.5	142.2	149.0
00:00:06.0	110.5	142.2	158.3
00:00:06.5	110.5	142.2	150.9
00:00:07.0	110.5	142.4	152.4
00:00:07.5	110.5	142.2	158.3
00:00:08.0	110.5	142.6	151.0
00:00:08.5	110.5	142.3	139.6
00:00:09.0	110.5	142.2	139.6
00:00:09.5	110.5	142.5	147.4
00:00:10.0	110.5	142.4	152.2
00:00:10.5	110.5	142.4	149.7
00:00:11.0	110.5	142.3	150.3
00:00:11.5	110.5	142.7	155.0
00:00:12.0	110.5	142.5	153.8
00:00:12.5	110.6	142.4	148.2
00:00:13.0	110.6	142.6	154.7
00:00:13.5	110.6	142.7	151.3
00:00:14.0	110.6	142.4	136.6

The exemplary report of the buffer's file in A4 format with the vibration signal analysis (NON-METRIC units, LINEAR scale, 1/1 OCTAVE)

(C) SVANTEK SVAN 947 No.4267 2003/05/24 (v3.07) 19:25:25

Buffer name: Buffe_24
Associated file name: 24MAY15

TITLE:

Hotel CAIRO - point 11

----- SETTINGS -----

Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function....: 1/1 OCTAVE

Meas. start date...: 2003/05/24 Meas. start hour...: 19:23:44
Range.....: 32.2 g Ref.level for Acc...: 11 um/s2
Ref.level for Vel...: 1 nm/s Ref.level for Dil...: 1 pm
Trigger.....: Off Repeat cycle.....: Infinity
Start delay.....: 1 s Integration time...: 6 s
Calibr. factor....: 0.0 dB RMS integration....: Linear
Spectrum filter...: HP Spectrum in buffer.: RMS

Profile:	#1	#2	#3	Profile:	#1	#2	#3
Filter:	HP1	Vell	Dill	Detector:	1.0s	1.0s	2.0s
Buffer:	RMS	RMS	RMS				

----- BUFFER -----

Profile:	#1	#2	#3
Time	[g]	[ips]	[mil]
00:00:02	4.35e-1	2.89e-1	4.42e+1

--- 1/1 OCTAVE ---	[Hz]	[g]	--- 1/1 OCTAVE ---	[Hz]	[g]	--- 1/1 OCTAVE ---	[Hz]	[g]
	1.0	1.96e-2		63.0	1.12e-1		4000.0	3.15e-3
	2.0	7.56e-3		125.0	4.25e-1		8000.0	2.39e-3
	4.0	3.79e-3		250.0	6.97e-2		16000.0	1.75e-3
	8.0	2.91e-3		500.0	7.38e-2		Total	4.35e-1
	16.0	8.78e-3		1000.0	1.04e-2			
	31.5	1.01e-2		2000.0	5.05e-3			

Profile:	#1	#2	#3
Time	[g]	[ips]	[mil]
00:00:04	4.20e-1	2.48e-1	9.34e+0

--- 1/1 OCTAVE ---	[Hz]	[g]	--- 1/1 OCTAVE ---	[Hz]	[g]	--- 1/1 OCTAVE ---	[Hz]	[g]
	1.0	4.30e-3		63.0	1.02e-1		4000.0	2.47e-3
	2.0	1.06e-3		125.0	3.92e-1		8000.0	2.01e-3
	4.0	1.85e-3		250.0	9.85e-2		16000.0	1.77e-3
	8.0	4.20e-3		500.0	1.07e-1		Total	4.20e-1
	16.0	4.99e-3		1000.0	1.03e-2			
	31.5	4.10e-3		2000.0	5.17e-3			

Profile:	#1	#2	#3
Time	[g]	[ips]	[mil]
00:00:06	5.29e-1	1.05e+0	2.79e+1

--- 1/1 OCTAVE ---	[Hz]	[g]	--- 1/1 OCTAVE ---	[Hz]	[g]	--- 1/1 OCTAVE ---	[Hz]	[g]
	1.0	1.58e-3		63.0	1.67e-1		4000.0	1.42e-2
	2.0	1.77e-3		125.0	4.40e-1		8000.0	3.66e-3
	4.0	3.38e-2		250.0	1.49e-1		16000.0	1.90e-3
	8.0	7.30e-2		500.0	1.25e-1		Total	5.29e-1
	16.0	8.38e-2		1000.0	2.81e-2			
	31.5	8.78e-2		2000.0	3.70e-2			

Profile:	#1	#2	#3
Time	[g]	[ips]	[mil]
00:00:08	4.77e-1	8.71e-1	2.11e+1

--- 1/1 OCTAVE ---	[Hz]	[g]	--- 1/1 OCTAVE ---	[Hz]	[g]	--- 1/1 OCTAVE ---	[Hz]	[g]
	1.0	8.29e-4		63.0	1.46e-1		4000.0	1.24e-2
	2.0	4.77e-3		125.0	4.01e-1		8000.0	3.19e-3
	4.0	4.35e-2		250.0	1.47e-1		16000.0	1.83e-3
	8.0	7.64e-2		500.0	1.09e-1		Total	4.77e-1

```

16.0 8.38e-2      1000.0 2.47e-2
31.5 8.58e-2      2000.0 3.08e-2

Profile:      #1      #2      #3
Time          [g]      [ips]   [mil]
00:00:10  6.21e-1  1.12e+0 2.51e+1

--- 1/1 OCTAVE --          --- 1/1 OCTAVE --          --- 1/1 OCTAVE --
[Hz]          [g]          [Hz]          [g]          [Hz]          [g]
 1.0  6.51e-4          63.0  1.85e-1          4000.0  1.94e-2
 2.0  7.05e-4          125.0  4.88e-1          8000.0  6.97e-3
 4.0  3.22e-2          250.0  2.31e-1          16000.0  2.53e-3
 8.0  9.19e-2          500.0  1.39e-1          Total  6.21e-1
16.0  1.23e-1          1000.0  3.62e-2
31.5  1.12e-1          2000.0  4.10e-2

Profile:      #1      #2      #3
Time          [g]      [ips]   [mil]
00:00:12  7.13e-1  1.45e+0 3.76e+1

--- 1/1 OCTAVE --          --- 1/1 OCTAVE --          --- 1/1 OCTAVE --
[Hz]          [g]          [Hz]          [g]          [Hz]          [g]
 1.0  7.22e-4          63.0  2.23e-1          4000.0  2.45e-2
 2.0  6.07e-3          125.0  5.29e-1          8000.0  1.17e-2
 4.0  6.00e-2          250.0  3.41e-1          16000.0  3.92e-3
 8.0  1.24e-1          500.0  1.60e-1          Total  7.13e-1
16.0  1.38e-1          1000.0  4.40e-2
31.5  1.41e-1          2000.0  4.40e-2

-----

```

The exemplary report of the buffer's file in A4 format with 1/1 OCTAVE analysis of acoustic signal

(C) SVANTEK SVAN 947 No.4267 2003/05/26 (v3.07) 22:03:39

Buffer name: Buffer_3
Associated file name: 26MAY2

TITLE:
...RAMPA THEATRE

```

----- SETTINGS -----
Device mode.....: SOUND METER
Input.....: Microphone
Device function....: 1/1 OCTAVE

Meas. start date...: 2003/05/26
Range.....: 130 dB
Repeat cycle.....: Infinity
Integration time...: 2 s
Leq integration....: Linear
Spectrum in buffer.: None

Profile:      #1      #2      #3
Filter:      A      C      LIN
Buffer:      PEAK  MAX  RMS

----- SETTINGS -----
Field correction...: FREE

Meas. start hour...: 16:00:48
Trigger.....: Off
Start delay.....: 1 s
Calibr. factor.....: 0.6 dB
Spectrum filter....: HP

Profile:      #1      #2      #3
Detector:    IMP.  FAST  SLOW

```

```

----- BUFFER -----
Profile:      #1      #2      #3
Time          [dB A]  [dB C]  [dB]
00:00:05.0   97.9   88.2   84.9
00:00:05.1   96.1   86.4   85.5
00:00:05.2   96.8   86.5   86.5
00:00:05.3   92.6   86.2   82.6
00:00:05.4   98.4   87.0   88.3
00:00:05.5   96.4   87.9   88.5
00:00:05.6   96.2   87.9   87.4
00:00:05.7   92.9   87.6   83.5
00:00:05.8   88.1   85.7   79.0
00:00:05.9   89.4   83.2   79.3
00:00:06.0   87.9   81.5   77.6
00:00:06.1   80.9   79.7   73.0
00:00:06.2  100.0   88.9   91.2
00:00:06.3   98.3   89.3   89.0
00:00:06.4   96.9   89.7   89.0
00:00:06.5   95.9   89.6   85.5

```

```

00:00:06.6    95.0    88.3    87.8
00:00:06.7    91.3    87.2    82.1
00:00:06.8    88.0    85.2    84.0
00:00:06.9    85.8    84.4    75.5
00:00:07.0    80.7    81.5    73.4
00:00:07.1    94.9    79.8    79.5
00:00:07.2    92.6    81.9    83.7
00:00:07.3    90.6    82.0    81.1
00:00:07.4    96.7    83.8    84.5
00:00:07.5    84.1    83.7    73.5
00:00:07.6    94.2    83.3    84.0
00:00:07.7    91.9    82.8    82.1
00:00:07.8    89.2    82.2    78.7
00:00:07.9    101.8   90.2    92.3
00:00:08.0    96.6    90.2    79.3
00:00:08.1    84.1    87.0    76.7
00:00:08.2    97.8    86.8    87.9
00:00:08.3    87.2    86.6    76.0
00:00:08.4    95.2    83.7    81.7
00:00:08.5    92.5    84.2    84.9
00:00:08.6    97.3    86.0    86.7
00:00:08.7    90.4    85.4    79.9
00:00:08.8    95.2    82.9    81.8
00:00:08.9    93.4    83.9    84.0
00:00:09.0    91.0    84.1    78.6
00:00:09.1    95.4    84.6    85.3
00:00:09.2    87.3    83.6    77.6
00:00:09.3    91.9    81.6    81.0
00:00:09.4    89.2    81.7    82.0
00:00:09.5    89.9    82.7    83.4
00:00:09.6    84.6    82.4    76.5
00:00:09.7    84.2    79.8    76.0
00:00:09.8    86.2    78.0    75.2
00:00:09.9    88.5    76.5    76.8
00:00:10.0    81.9    75.6    73.2

```

The exemplary report of the buffer's file in A4 format with the vibration signal analysis (NON-METRIC units, LINEAR scale, 1/3 OCTAVE)

(C) SVANTEK SVAN 947 No.4267 2003/05/24 (v3.07) 19:27:11

Buffer name: Buffe_25
Associated file name: 24MAY16

TITLE:
Hotel CAIRO - point 12

----- SETTINGS -----

Device mode.....: VIBR. METER
Input.....: Accelerometer
Device function....: 1/3 OCTAVE

```

Meas. start date...: 2003/05/24      Meas. start hour...: 19:25:48
Range.....: 32.2 g                    Ref.level for Acc..: 11 um/s2
Ref.level for Vel..: 1 nm/s           Ref.level for Dil..: 1 pm
Trigger.....: Off                     Repeat cycle.....: Infinity
Start delay.....: 1 s                 Integration time...: 6 s
Calibr. factor.....: 0.0 dB           RMS integration....: Linear
Spectrum filter....: HP                Spectrum in buffer.: RMS

```

```

Profile:      #1      #2      #3      Profile:      #1      #2      #3
Filter:       HP1     Vel1     Dil1     Detector:    1.0s    1.0s    2.0s
Buffer:       RMS     RMS     RMS

```

----- BUFFER -----

```

Profile:      #1      #2      #3
Time          [g]     [ips]   [mil]
00:00:02     4.94e-1  2.09e+0  4.68e+2

```

```

--- 1/3 OCTAVE ---      --- 1/3 OCTAVE ---      --- 1/3 OCTAVE ---
[Hz]      [g]          [Hz]      [g]          [Hz]      [g]
0.80     2.62e-2      31.50     7.82e-2      1250.00   5.67e-2
1.00     3.08e-2      40.00     9.85e-2      1600.00   4.06e-2
1.25     2.28e-2      50.00     1.16e-1      2000.00   2.78e-2
1.60     4.66e-2      63.00     1.69e-1      2500.00   2.03e-2

```

2.00	2.23e-2	80.00	1.62e-1	3150.00	2.34e-2
2.50	3.11e-2	100.00	2.71e-1	4000.00	1.18e-2
3.15	2.97e-2	125.00	1.73e-1	5000.00	6.66e-3
4.00	2.47e-2	160.00	1.07e-1	6300.00	4.61e-3
5.00	1.63e-2	200.00	8.00e-2	8000.00	4.25e-3
6.30	8.88e-2	250.00	3.49e-2	10000.00	3.01e-3
8.00	5.67e-2	315.00	2.81e-2	12500.00	1.54e-3
10.00	4.01e-2	400.00	3.26e-2	16000.00	1.18e-3
12.50	9.40e-2	500.00	2.71e-2	20000.00	1.33e-3
16.00	5.60e-2	630.00	2.65e-2	Total	4.99e-1
20.00	8.88e-2	800.00	4.30e-2		
25.00	7.82e-2	1000.00	7.64e-2		

Profile: #1 #2 #3
 Time [g] [ips] [mil]
 00:00:04 4.15e-1 1.24e+0 6.84e+1

--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---	
[Hz]	[g]	[Hz]	[g]	[Hz]	[g]
0.80	5.80e-2	31.50	6.14e-2	1250.00	5.93e-2
1.00	6.29e-2	40.00	6.97e-2	1600.00	3.04e-2
1.25	5.29e-2	50.00	8.29e-2	2000.00	2.47e-2
1.60	1.47e-2	63.00	9.85e-2	2500.00	1.85e-2
2.00	5.93e-3	80.00	1.20e-1	3150.00	1.75e-2
2.50	2.71e-3	100.00	2.28e-1	4000.00	9.85e-3
3.15	1.07e-2	125.00	1.63e-1	5000.00	5.87e-3
4.00	1.13e-2	160.00	8.10e-2	6300.00	4.35e-3
5.00	3.34e-2	200.00	4.77e-2	8000.00	4.82e-3
6.30	8.10e-2	250.00	2.47e-2	10000.00	3.41e-3
8.00	7.22e-2	315.00	1.99e-2	12500.00	1.75e-3
10.00	5.11e-2	400.00	2.23e-2	16000.00	1.41e-3
12.50	6.81e-2	500.00	2.36e-2	20000.00	1.39e-3
16.00	4.50e-2	630.00	2.36e-2	Total	4.20e-1
20.00	8.19e-2	800.00	3.66e-2		
25.00	5.60e-2	1000.00	6.97e-2		

Profile: #1 #2 #3
 Time [g] [ips] [mil]
 00:00:06 4.40e-1 1.07e+0 4.37e+1

--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---		--- 1/3 OCTAVE ---	
[Hz]	[g]	[Hz]	[g]	[Hz]	[g]
0.80	5.93e-2	31.50	5.87e-2	1250.00	6.07e-2
1.00	4.45e-2	40.00	7.05e-2	1600.00	2.01e-2
1.25	4.20e-2	50.00	8.48e-2	2000.00	2.45e-2
1.60	9.08e-3	63.00	1.03e-1	2500.00	1.23e-2
2.00	3.74e-3	80.00	1.28e-1	3150.00	1.31e-2
2.50	1.69e-3	100.00	2.84e-1	4000.00	1.07e-2
3.15	1.77e-3	125.00	1.54e-1	5000.00	5.17e-3
4.00	5.35e-3	160.00	8.48e-2	6300.00	4.77e-3
5.00	2.20e-2	200.00	5.17e-2	8000.00	5.05e-3
6.30	1.03e-1	250.00	2.31e-2	10000.00	3.58e-3
8.00	7.22e-2	315.00	2.11e-2	12500.00	1.77e-3
10.00	4.40e-2	400.00	2.56e-2	16000.00	1.41e-3
12.50	7.64e-2	500.00	2.56e-2	20000.00	1.39e-3
16.00	5.05e-2	630.00	2.56e-2	Total	4.40e-1
20.00	6.21e-2	800.00	4.20e-2		
25.00	6.43e-2	1000.00	8.88e-2		

The exemplary report of the buffer's file in A4 format with 1/3 OCTAVE analysis of acoustic signal

(C) SVANTEK SVAN 947 No.4267 2003/05/26 (v3.07) 22:04:05

Buffer name: Buffer_4
 Associated file name: 26MAY3

TITLE:

----- SETTINGS -----

Device mode.....: SOUND METER
 Input.....: Microphone
 Device function....: 1/3 OCTAVE
 Field correction...: FREE

Meas. start date...: 2003/05/26
 Range.....: 130 dB
 Repeat cycle.....: Infinity
 Integration time...: 2 s
 Leq integration....: Linear
 Spectrum in buffer.: None

Meas. start hour...: 16:02:42
 Trigger.....: Off
 Start delay.....: 1 s
 Calibr. factor.....: 0.6 dB
 Spectrum filter....: HP

Profile: #1 #2 #3
 Filter: A C LIN
 Buffer: PEAK MAX RMS

Profile: #1 #2 #3
 Detector: IMP. FAST SLOW

----- BUFFER -----

Profile:	#1	#2	#3
Time	[dB A]	[dB C]	[dB]
00:00:00.1	93.8	82.8	84.2
00:00:00.2	89.7	82.8	77.0
00:00:00.3	93.9	80.4	79.9
00:00:00.4	92.3	81.6	81.1
00:00:00.5	77.3	80.2	69.0
00:00:00.6	74.5	77.0	65.9
00:00:00.7	91.3	73.8	73.7
00:00:00.8	94.5	80.5	82.9
00:00:00.9	91.2	80.3	76.1
00:00:01.0	91.5	80.3	80.2
00:00:01.1	90.8	80.2	79.7
00:00:01.2	86.1	79.0	74.5
00:00:01.3	83.4	76.7	72.0
00:00:01.4	92.8	79.4	80.9
00:00:01.5	91.8	78.9	77.9
00:00:01.6	94.0	85.0	86.5
00:00:01.7	94.3	85.9	86.6
00:00:01.8	81.1	85.4	74.0
00:00:01.9	91.5	82.3	80.8
00:00:02.0	91.7	83.9	84.5
00:00:02.1	91.7	83.2	75.3
00:00:02.2	88.0	80.3	75.4
00:00:02.3	89.9	78.4	75.0
00:00:02.4	87.9	77.6	75.5
00:00:02.5	86.9	75.8	74.6
00:00:02.6	93.7	82.4	84.1
00:00:02.7	90.4	82.6	82.2
00:00:02.8	93.5	84.4	83.8
00:00:02.9	97.0	84.8	85.2
00:00:03.0	83.2	83.9	71.5
00:00:03.1	81.7	80.6	70.7
00:00:03.2	96.1	82.1	83.8
00:00:03.3	104.1	89.1	90.9
00:00:03.4	98.6	88.4	84.6
00:00:03.5	99.1	86.9	85.3
00:00:03.6	98.8	86.6	85.9
00:00:03.7	96.0	86.9	87.2
00:00:03.8	91.7	86.6	81.1
00:00:03.9	90.1	84.2	80.7
00:00:04.0	92.7	82.7	80.8
00:00:04.1	93.1	81.9	80.5
00:00:04.2	81.1	80.5	76.2
00:00:04.3	80.2	78.7	71.8
00:00:04.4	81.3	75.9	72.0
00:00:04.5	72.9	73.9	68.4
00:00:04.6	82.3	72.6	73.4
00:00:04.7	81.1	72.3	72.0
00:00:04.8	82.1	72.6	73.4
00:00:04.9	75.6	72.1	70.1
00:00:05.0	72.5	69.9	71.1
00:00:05.1	73.6	70.9	74.2
00:00:05.2	75.3	70.8	73.4
00:00:05.3	76.8	71.0	72.8
00:00:05.4	74.9	71.2	73.1
00:00:05.5	75.5	70.7	70.8
00:00:05.6	74.7	70.1	71.1
00:00:05.7	84.0	73.5	77.0

00:00:05.8	82.7	73.8	77.0
00:00:05.9	81.3	74.2	77.6
00:00:06.0	92.5	79.8	81.6

The exemplary report of the buffer's file in A5 format with the vibration signal analysis (METRIC units, LOGARITHM scale, 1/3 OCTAVE)

(C) SVANTEK SVAN 947 No.4267
 2003/05/24 (v3.07) 18:55:56

Buffer name: Buffer_7

TITLE:
 Hotel CAIRO - point 13

----- SETTINGS -----

Device mode.....: VIBR. METER
 Input.....: Accelerometer
 Device function....: 1/3 OCTAVE

Meas. start date...: 2003/05/24
 Meas. start hour...: 18:09:36
 Range.....: 32.2 g
 Ref.level for Acc...: 11 um/s2
 Ref.level for Vel...: 1 nm/s
 Ref.level for Dil...: 1 pm
 Trigger.....: Off
 Repeat cycle.....: Infinity

Start delay.....: 1 s
 Integration time...: 10 s
 Calibr. factor.....: 0.0 dB
 RMS integration....: Linear
 Spectrum filter....: HP
 Spectrum in buffer.: None

Profile:	#1	#2	#3
Filter:	HP1	Vel1	Dil1
Detector:	1.0s	1.0s	2.0s
Buffer:	PEAK	P-P	RMS

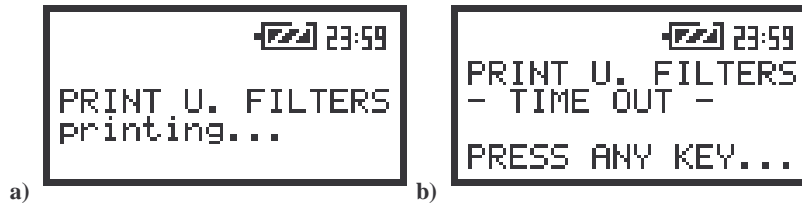
----- BUFFER -----

Profile:	#1	#2	#3
Time	[dB]	[dB]	[dB]
00:00:00.5	118.5	147.4	159.4
00:00:01.0	118.6	151.2	176.3
00:00:01.5	115.1	147.9	172.1
00:00:02.0	112.0	143.6	175.4
00:00:02.5	115.1	142.0	170.2
00:00:03.0	114.1	147.6	175.3
00:00:03.5	118.5	154.8	186.4
00:00:04.0	116.8	150.5	187.6
00:00:04.5	117.3	149.2	184.6
00:00:05.0	117.1	145.3	175.1
00:00:05.5	117.1	145.4	173.3
00:00:06.0	118.3	144.9	167.7
00:00:06.5	118.1	144.8	148.7
00:00:07.0	117.0	144.9	148.9
00:00:07.5	117.2	144.9	152.6
00:00:08.0	117.2	144.9	148.6
00:00:08.5	116.9	145.1	152.9
00:00:09.0	117.8	145.7	152.4
00:00:09.5	118.2	146.3	152.1
00:00:10.0	118.3	146.4	151.7
00:00:10.5	118.3	146.4	146.8
00:00:11.0	118.5	146.6	144.3
00:00:11.5	118.6	146.5	138.3
00:00:12.0	118.3	144.9	150.1
00:00:12.5	117.2	143.8	151.7
00:00:13.0	117.9	144.0	148.5
00:00:13.5	119.3	147.1	150.4
00:00:14.0	118.3	144.8	157.9

00:00:14.5	118.7	145.1	159.8
00:00:15.0	118.8	144.7	151.8
00:00:15.5	119.0	144.8	150.9
00:00:16.0	119.6	146.2	146.1
00:00:16.5	119.9	146.3	151.2
00:00:17.0	120.0	146.2	145.3
00:00:17.5	118.9	144.9	151.7
00:00:18.0	119.7	145.2	143.1
00:00:18.5	120.3	145.8	148.7
00:00:19.0	120.1	145.6	151.9
00:00:19.5	119.8	145.2	148.0
00:00:20.0	120.3	145.5	147.4
00:00:20.5	120.2	145.5	151.7
00:00:21.0	120.5	145.4	147.5
00:00:21.5	120.6	146.0	146.8
00:00:22.0	120.3	145.7	148.6
00:00:22.5	120.3	145.3	145.3
00:00:23.0	120.2	145.4	152.7

PRINTING OF THE USER FILTERS COEFFICIENTS - PRINT U. FILTERS

The user has to press the <ENTER> push-button when the **PRINT U. FILTERS** text of the *FILE* list is displayed inversely in order to obtain the listing of the coefficients of the **USER FILTERS** set and stored in the instrument's memory. The following message appears on the display:



The view of the display during the proper execution of the **PRINT U. FILTERS** operation (a) and in the case when there is something wrong (b)

When the message is on the display the data are transferred from the instrument to the attached printer. The format of the listing depends on the setting in the **FORMAT** element (**A4** or **A5**) of the **OPTIONS** sub-list. The ejection of the paper after the printing depends on the setting of the **EJECT P.** element of the same sub-list. The instrument returns to the **REPORT** list after printing all required results. The exemplary listings of the user filters coefficients in both formats are presented below.

The exemplary listing of the **USER FILTERS** coefficients in **A4** format

(C) SVANTEK		SVAN 947		No.4267		2003/05/24		(v3.07)		18:43:21	
--- U.FILTER 1 ---			--- U.FILTER 1 ---			--- U.FILTER 1 ---					
[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]
0.80	-9.4	25.00	-6.4	800.00	-3.2	1000.00	-3.0	1250.00	-2.8	1600.00	-2.6
1.00	-9.2	31.50	-6.2	1600.00	-2.6	2000.00	-2.4	2500.00	-2.0	3150.00	-1.8
1.25	-9.0	40.00	-6.0	4000.00	-1.6	5000.00	-1.4	6300.00	-1.2	8000.00	-1.0
1.60	-8.8	50.00	-5.8	10000.00	-0.8	12500.00	-0.6	16000.00	-0.4	20000.00	-0.2
2.00	-8.6	63.00	-5.6								
2.50	-8.4	80.00	-5.4								
3.15	-8.2	100.00	-5.2								
4.00	-8.0	125.00	-5.0								
5.00	-7.8	160.00	-4.8								
6.30	-7.6	200.00	-4.6								
8.00	-7.4	250.00	-4.2								
10.00	-7.2	315.00	-4.0								
12.50	-7.0	400.00	-3.8								
16.00	-6.8	500.00	-3.6								
20.00	-6.6	630.00	-3.4								
--- U.FILTER 2 ---			--- U.FILTER 2 ---			--- U.FILTER 2 ---					
[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]	[Hz]	[dB]
0.80	-10.0	25.00	-2.5	800.00	5.0	1000.00	5.5				
1.00	-9.5	31.50	-2.0								

1.25	-9.0	40.00	-1.5	1250.00	6.0
1.60	-8.5	50.00	-1.0	1600.00	6.5
2.00	-8.0	63.00	-0.5	2000.00	7.0
2.50	-7.5	80.00	0.0	2500.00	7.5
3.15	-7.0	100.00	0.5	3150.00	8.0
4.00	-6.5	125.00	1.0	4000.00	9.0
5.00	-6.0	160.00	1.5	5000.00	9.5
6.30	-5.5	200.00	2.0	6300.00	10.0
8.00	-5.0	250.00	2.5	8000.00	10.5
10.00	-4.5	315.00	3.0	10000.00	11.0
12.50	-4.0	400.00	3.5	12500.00	11.5
16.00	-3.5	500.00	4.0	16000.00	12.0
20.00	-3.0	630.00	4.5	20000.00	12.5

The exemplary listing of the USER FILTERS coefficients in A5 format

(C) SVANTEK SVAN 947 No.4267
 2003/05/24 (v3.07) 18:45:08

--- U.FILTER 1 --

[Hz]	[dB]	[Hz]	[dB]
0.80	-9.4	160.00	-4.8
1.00	-9.2	200.00	-4.6
1.25	-9.0	250.00	-4.2
1.60	-8.8	315.00	-4.0
2.00	-8.6	400.00	-3.8
2.50	-8.4	500.00	-3.6
3.15	-8.2	630.00	-3.4
4.00	-8.0	800.00	-3.2
5.00	-7.8	1000.00	-3.0
6.30	-7.6	1250.00	-2.8
8.00	-7.4	1600.00	-2.6
10.00	-7.2	2000.00	-2.4
12.50	-7.0	2500.00	-2.0
16.00	-6.8	3150.00	-1.8
20.00	-6.6	4000.00	-1.6
25.00	-6.4	5000.00	-1.4
31.50	-6.2	6300.00	-1.2
40.00	-6.0	8000.00	-1.0
50.00	-5.8	10000.00	-0.8
63.00	-5.6	12500.00	-0.6
80.00	-5.4	16000.00	-0.4
100.00	-5.2	20000.00	-0.2
125.00	-5.0		

--- U.FILTER 2 --

[Hz]	[dB]	[Hz]	[dB]
0.80	-10.0	160.00	1.5
1.00	-9.5	200.00	2.0
1.25	-9.0	250.00	2.5
1.60	-8.5	315.00	3.0
2.00	-8.0	400.00	3.5
2.50	-7.5	500.00	4.0
3.15	-7.0	630.00	4.5
4.00	-6.5	800.00	5.0
5.00	-6.0	1000.00	5.5
6.30	-5.5	1250.00	6.0
8.00	-5.0	1600.00	6.5
10.00	-4.5	2000.00	7.0
12.50	-4.0	2500.00	7.5
16.00	-3.5	3150.00	8.0
20.00	-3.0	4000.00	9.0
25.00	-2.5	5000.00	9.5
31.50	-2.0	6300.00	10.0
40.00	-1.5	8000.00	10.5
50.00	-1.0	10000.00	11.0
63.00	-0.5	12500.00	11.5
80.00	0.0	16000.00	12.0
100.00	0.5	20000.00	12.5
125.00	1.0		