

# SVAN 953

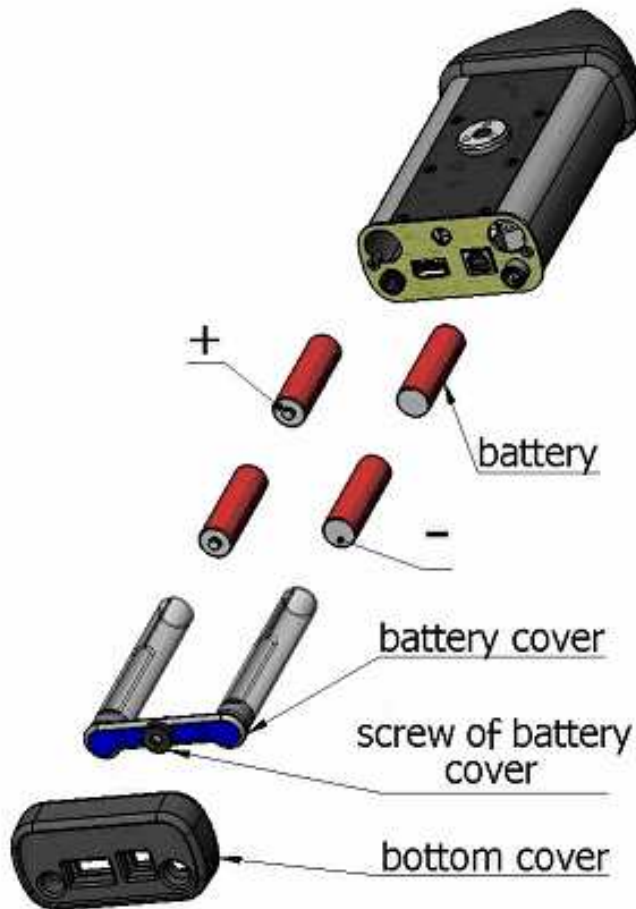
## Sound Level Meter & Analyser

### QUICK START GUIDE



## 1. BATTERIES INSTALLATION














- Remove black bottom cover of the instrument.
- Unscrew battery cover.
- Load the batteries (follow polarity as illustrated on the back side of the instrument).
- Reassemble the instrument.



## 2. SETTING UP THE INSTRUMENT

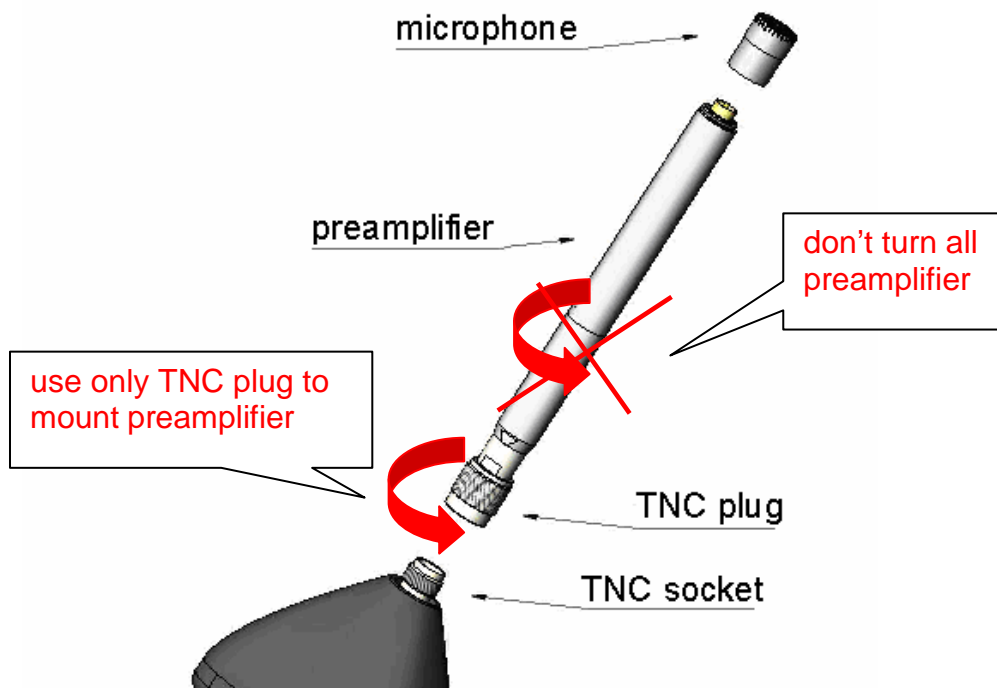
- Switch the instrument on (press **Alt** + **Start Stop** for a moment).

Press (**Menu ENTER Save** + **Shift**) to open the MENU. Use **Left Arrow**, **Right Arrow**, **Up Arrow**, **Down Arrow** push-buttons for selecting options in the MENU. Use **Menu ENTER Save** for confirmation of chosen option. Use **Call ESC Pause** to go back to the previous MENU level.

- Start work with the instrument from setting date and time (Real Time Clock). Go to MENU  +  > SETUP > RTC.
- Set up required DATE and TIME using  /  to select the field to change and  +  or  +  to change settings.
- Press  to confirm entered settings. Press  to go back to the main menu.
- Go to MENU > FUNCTION and select required function in MEASUREMENT FUNCTION window. Press  for confirmation. Press  to go back to the main menu.
- Go to INPUT > MEASUREMENT SETUP and configure following parameters:
  - START DELAY - period between pressing START button and the beginning of measurement.
  - INTEGR. PERIOD - integration period of measurement.
  - REP. CYCLE - number of measurement cycles.
  - LOGGER - enabling/disabling time-history logging function, LOGGER STEP - logging time step, LOGGER NAME - name of logger's file, LOGGER METEO option is used only with monitoring station.
- Press  for confirmation.
- Go to INPUT / PROFILE 1/2/3 windows and set up required filters, detector time-constant and logger results to be saved in logger files. Press  for confirmation. Press  to go back to the main menu.
- Go to MENU > FILE > SAVE OPTIONS and tick AUTO SAVE option to save measurement results automatically (see part: MAKING A BASIC MEASUREMENT). Press  for confirmation (if following message "INTEGRATION TIME TOO SHORT AUTO SAVE DISABLED" will appear on the display go back to the MEASUREMENT SETUP window and set integration period longer than 10 seconds). Edit the name of the auto save file using  /  to select the field to change and  or  to change settings. Press  for confirmation.
- You can save selected settings in SETUP file - go to FILE / SAVE SETUP, edit a name of the file and press  for confirmation. In order to load previously saved setup file go to FILE / LOAD SETUP, select setup to be loaded and press  for confirmation.
- Calibrate the instrument if it is required (see section below).
- Start the measurement (see section MAKING A BASIC MEASUREMENT).

### 3. CALIBRATION

- Connect preamplifier to the microphone and then to the instrument. Use TNC plug to mount the preamplifier to the instrument.





- Go to MENU ( + ) > FUNCTION / CALIBRATION > BY MEASUREMENT.
- Enter the CAL. LEVEL according to the calibrator you use (e.g. 113.9 dB, 93.9 dB).
- Put the microphone you calibrate into calibrator and switch the calibrator on (SV 30A calibrator switches on automatically).
- Press to start the calibration measurement.
- When the calibration measurement is done, it shows CAL. RESULT e.g. LEQ = 114.22 dB.
- If you need to restart the calibration, press again,
- Press to accept the calibration factor.

#### 4. MAKING A BASIC MEASUREMENT




Press to start and to stop a measurement. During the measurement you cannot change the settings. The loudspeaker icon indicates the measurement in progress, the envelope icon indicates logging results to the logger files, the battery icon indicates voltage level. When the AUTO SAVE option is switched on the measurement result will be saved automatically after the end of the integration period otherwise press + push-buttons (or go to MENU > FILE > SAVE) after the measurement.

- You can edit the name of the file (press to edit name) and press . You can use SAVE NEXT option - the last digit of the file's name will be automatically incremented any time you save the file (e.g. 7JAN0, 7JAN1, 7JAN2). Press to save data.
- There are two types of files for storing measurement results – result files with main results and logger files with time-history of measured signal.





## 5. DISPLAY OPTIONS

Press  or  push-button in order to view result from 1-PROFILE mode, 3-PROFILE mode, logger. Go to MENU > DISPLAY > DISPLAY MODES in order to select FILE INFO mode of results presentation.

## 6. LOADING MEASUREMENT RESULTS

- To view saved measurement results, go to MENU ( + ) > FILE > LOAD, select file you wish to load and press .

## 7. DELETING MEASUREMENT RESULTS

- To delete result or setup file one by one, go to MENU ( + ) > FILE > DELETE, select file you wish to delete and press .
- To delete all RESULT FILES, all LOGGER FILES or all SETUP FILES, go to FILE > DELETE ALL, tick proper fields and press  to delete selected files.