

# SVAN 956

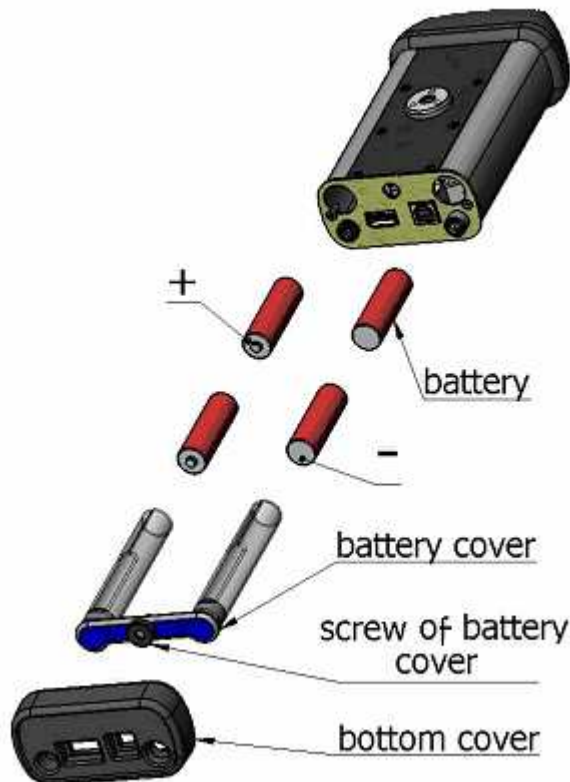
## Vibration Meter & Analyser

### 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 (**Shift** + **Menu ENTER Save**) 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 **Cal. ESC Pause** to back to the previous MENU level.







- Start work with the instrument from setting date and time (Real Time Clock). Go to MENU (**Shift** + **Menu ENTER Save**) > SETUP > RTC.
- Set up proper DATE and TIME using **Left Arrow** / **Right Arrow** to select the field to change and **Shift** + **Left Arrow** or **Shift** + **Right Arrow** to change settings.




- Press  to confirm entered settings. Press .
- Go to MENU > FUNCTION and select required MODE and MEASUREMENT FUNCTION. Press  for confirmation.
- Go to MENU > INPUT > MEASUREMENT SETUP and configure following parameters:
  - START DELAY - period between pressing START 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 STEP.
    - LOGGER NAME.
- Go to INPUT > PROFILE 1/2/3 windows and set up proper filters, detector time-constant and logger results to be saved in logger files.
- Go to MENU > FILE > SAVE OPTIONS and switch on AUTO SAVE option to save measurement results automatically (see part: MAKING A BASIC MEASUREMENT).
- 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



- Go to MENU > FUNCTION > CALIBRATION > BY SENSITIVITY
- Enter the SENSITIVITY according to the transducer you use (e.g. 10 mV/ms<sup>2</sup>, 100 mV/ms<sup>2</sup>). In case when non-metric units are required go to SETUP / VIBRATION UNITS and select NON-METRIC UNITS option. Press  for confirmation.
- 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 required fields and press  to delete selected files.