QUICK START GUIDE

SoundPro® SE/DL Series Sound Level Meters

Tsi | Quest™
SoundPro® Display and User Keypad

**Softkey Menu**
- Measurement type
  - Repeatedly press 1st softkey to toggle through to select 1/1, 1/3, SLM (if purchased)

**Indicators**
- Battery power:
- Stop:
- Run time: 00:00:00

**Buttons**
- Backlight Key
- Stop Key
- Left Arrow Key
- Up/Down Arrow Keys
- Run/Pause Key
- Softkeys
- AltF Key
- Enter Key
- Right Arrow Key
- On/Off and ESC (Escape) Key
Turning On/Off and Navigating

1. To turn on the SoundPro, press the **key until the start screen appears.
2. To navigate, press the up/down \(\uparrow\downarrow\) arrows and left/right arrows \(\leftarrow\rightarrow\) for most of the navigational functions.
   + The **key is used to move back one level (or escape from a menu/screen).
     Press repeatedly to return to the start screen.
   + The \(\leftarrow\rightarrow\) key is used to open the selected menu/screen.

Resetting

1. Format the card or delete the session files from the SoundPro (optional).
   + To format, select the File softkey from the start screen. Press the down arrow continuously to select Format. Press **key.

Settings

1. Adjust the settings to fit the specifications of your sound study.
   + To open the Setup menu from the start screen, press the \(\uparrow\downarrow\) arrow keys and press **key when selected. The setup menu will appear. To change the parameters, navigate to the appropriate menus and make changes as needed. (See the user manual for specific details and term explanations for more information.)
Calibrate the SoundPro (Pre/Post Cals)

1. Ensure the SoundPro is turned On and is either stopped or paused.

2. Attach the calibrator and cal adapter to the SoundPro. Set the calibrator to 1 KHz and 114 dB (if it is a selectable).

3. From the Start screen, press the **Cal** softkey and the Cal screen will open. Press \( \text{CalSoftkey} \) when Calibrate is highlighted. The Pre-Cal screen will open.

4. Allow the measurement to stabilize and press **Arrows** to set 114.0 dB level (see A). Then, press **key**. When set, the Calibration history screen appears (see B).

5. Press \( \text{key} \) to exit the Cal screen.

6. For a **Post Calibration**, ensure the SoundPro is in “Pause” mode. (Essentially, run a measurement and press the run/pause key.) The Pause indicator will appear at the top of the display.) Then repeat the Calibration steps above and press Enter to store the Post Calibration information. A sample screen is displayed below with post calibration history.
**Run/Pause/Stop Measurements**

Position the SoundPro in the field. Press the run key to start measuring. To pause a study (for example: lunch breaks), press the run/pause key. To start measuring again, press the run/pause key. Continue this process until your measurements are complete by press the Stop key. This will end the session.

1. From the **Start screen**, select either **View Session** or select **View Current Study** by press the arrows and key to select.
2. Press key to begin measuring. Press key to Pause (optional). At any time, press key to end the session/study.

**Lookup Softkey:**
Select to change measurement parameter (Lpk, Lmx, Lmn, Leq, Las)

**Run Time**

**Run Icon**

**Measurement Value (Average SPL)**
Measurements Displayed

Filtered Bar Chart Screen

For the filtered bar chart screen, the dominant characteristic of this screen is the multi-element bar chart. The chart displays measurements in each filter band and broadband values for both meters. For octave band analysis, the screen contains 13 bars (11 for filters and 2 for broadband), and for third-octave analysis the screen contains 35 bars (33 for filters and 2 for broadband) of measurement values. The bars appear (and usually fluctuate) if the measured value for the bar is above the minimum value for the selected measurement range.

Bar Chart Screen

For the bar chart screen, the amplitude of the displayed measurement is shown both graphically by the length of the bar and numerically below the bar. The bar appears (and usually fluctuates) if the measured value is above the minimum value for the selected measurement range.

Community Noise Screen

This screen shows the results of measurements commonly associated with community noise studies.

Dosimetry Screen

The Dosimetry screen provides several types of measurements of the accumulated personal exposure to noise.
Detection Management Software DMS and 
Working with SoundPro Data

Viewing data and Data Finder Page

1. Communicating/Connecting the 
   SoundPro to the PC
   A. Turn On the Sound Pro.
   B. Plug in USB cable from SoundPro to pc.

2. DMS Welcome Page and 
   Instrument Communication
   A. Click on icon (see A) to access the 
      Instrument download panel.

3. SoundPro and Downloading
   A. Select the SLM family and the SoundPro mode from 
      the Instrument window (see A). Click on “Go to session 
      finder after download” box.
   B. Click the button (See B).
   C. Once downloaded, click the Data Finder tab 
      (if you did not select “go to session finder 
      in step A”. ) (See C).

4. Selecting and Viewing Data
   A. The Data Finder page is used to view, select, 
      and preview reports. Note: Click Browse to 
      view all data files.
   B. Select the data by clicking on either the session/study 
      (Note: you may need to expand to see the study data.
   C. To view in Graphs and Tables, click on 
      or buttons.

5. Viewing Data in Graphs, Tables and Report View
   The graphs and tables page is noted as the panel 
   layout view page.
   A. The session/study data page displays the data in 
      logged data charts/tables (see A).
   B. Click on to view the panels in a report 
      format (see B).
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