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

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 ▲▼ arrows and left/right arrows ◀▶ 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 ⊖ 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 ▲▼ 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 ⏎ 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 🔌 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.
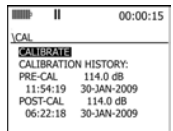
Microphone
Place calibrator over microphone

QC10/QC20
Select 1kHz and 114 dB
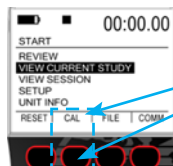
Cal Softkey
+ Select softkey to open
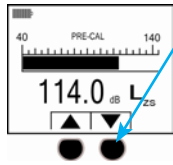
A. Calibrate
Press corresponding softkey to 114.0 dB level.
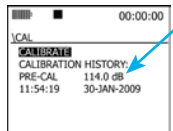
B. Pre-Cal
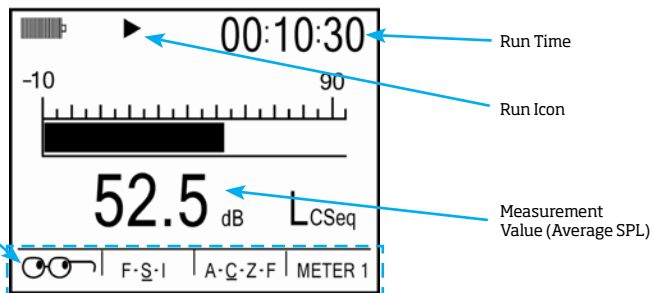Displays pre-calibration information

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 ⏹ to end the session/study.
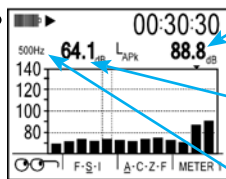
Lookup Softkey:
Select to change measurement parameter (Lpk, Lmx, Lmn, Leq, Las)

Run Time

Run Icon

Measurement Value (Average SPL)

▶ 00:10:30

-10   90

52.5 dB L_{CSeq}

∞ⵔ | F·S·I | A·C·Z·F | METER 1

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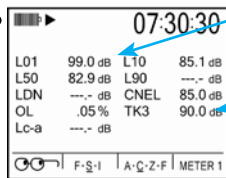
For the **bar chart screen,** the amplitude of the displayed measurement is shown both graphically by the length of the bar and numerically below the bar. The bar appears (and usually fluctuates) if the measured value is above the minimum value for the selected measurement range.

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.

Broadband Amplitude

Amplitude in the Band

Selected Band

Shows SPL average amplitude (or value) of Meter 1
+ Will display only if octave band is enabled
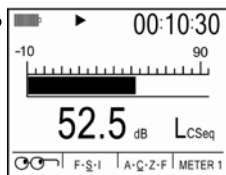
Shows SPL average amplitude (or value) of Meter 1
+ Will display only if SLM is selected as the measurement mode.

Exceedance Levels
+ L1 = 99% dB
+ L10 = 85.1% dB
+ L50 = 82.9% dB

Taxtmaximal
+ Value is 90 dB at 3 sec. intervals

Only appears on Meter 1 when you are not viewing the current study and when the community noise parameters are activated.
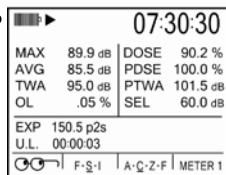
Shows accumulated personal exposure to noise.
+ These measurements are affected by the settings in the "Meter Set" screen

Detection Management Software DMS and Working with SoundPro Data
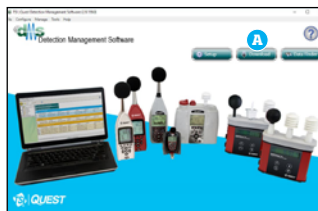### Viewing data and Data Finder Page

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 [Download] 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 [Download] 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).
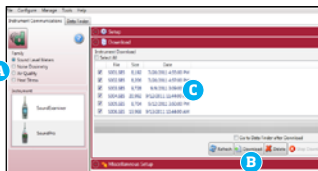
4. Selecting and Viewing Data

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 [Analyze] or [Quick Report] buttons.
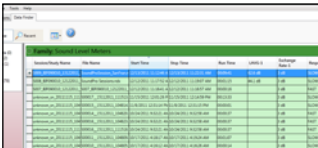
5. Viewing Data in Graphs, Tables and Report View

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 [Report View] to view the panels in a report format (see B).

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TSI Incorporated - Visit our website **www.tsi.com** for more information.

North America and Asia Pacific
Telephone: +1 800-680-1220 (USA)
              +1 651-490-2860 (Outside USA)
Fax: +1 651-490-3824
E-mail: technical.services@tsi.com

Europe, Middle East, and Africa
Telephone: +49 241-52303-0
Fax: +49 241 52303-49
E-mail: tsigmbh@tsi.com