



Saximeter-Q

Saximeter-Q (SAX-Q)

Providing better quality assurance to pile capacity measurement.

Reliable. Accurate. Essential.

The Sax-Q represents a completely new user interface designed for quick entry of project information and fast auto generation of completed drive log forms. The Sax-Q senses the impact from a microphone and counts each impact. The user notes in the program when the pile advances an increment, and the Sax-Q automatically summarizes the blow count and average hammer stroke for previous penetrations. Results can be reviewed in real time onsite and once data collection is completed the results can be automatically generated into a predefined output based on a state or project authority requirement




The Saximeter-Q:

- Generates completed drive log forms from hammer impact detection and individual blow counts
- Offers a real-time, reviewable screen summary display of increment, blow count, and average hammer stroke
- Determines average values per penetration increment and correlates stroke to capacity to help validate driving criteria
- Offers standardized results with the ability to customize based on State/Project Authority Standards
- Has built in hammer database, with information from most hammer manufacturers

- Automatically generates a completed blow count/drive log
- User-friendly interface to quickly enter project information
- Customizable based on State/Project Authority Standards
- Displays BPM and blow count vs depth

Saximeter-Q
PILE DRIVING RECORD

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 Date: 11/4/2022 Project: SAMPLE PROJECT
Additional Information: PEDESTRIAN BRIDGE 12IN 0.25WALL

Pile No.: 3 Length: 45 ft Ram Weight: 4.19 kips
Hammer: APE D 19-42 Type: OED Rated Energy: 47.13 kip-ft
Max BPM: 90 Start Time: 11:49:09 AM Stop Time: 12:04:02 PM Total Blows: 218

| Feet | Blows | Average Stroke | Comments | Feet | Blows | Average Stroke | Comments |
|---------------|-------|----------------|-----------------|------|-------|----------------|----------|
| 5.00 - 10.00 | 2 | 4.59 | | - | - | - | |
| 10.00 - 11.00 | 5 | 5.16 | | - | - | - | |
| 11.00 - 12.00 | 1 | 4.31 | | - | - | - | |
| 12.00 - 13.00 | 1 | 5.42 | | - | - | - | |
| 13.00 - 14.00 | 2 | 4.17 | | - | - | - | |
| 14.00 - 15.00 | 2 | 4.21 | | - | - | - | |
| 15.00 - 16.00 | 2 | 5.20 | | - | - | - | |
| 16.00 - 17.00 | 2 | 4.06 | | - | - | - | |
| 17.00 - 18.00 | 2 | 4.10 | | - | - | - | |
| 18.00 - 20.00 | 0 | 0.00 | | - | - | - | |
| 20.00 - 21.00 | 1 | 7.32 | | - | - | - | |
| 21.00 - 22.00 | 2 | 4.19 | | - | - | - | |
| 22.00 - 23.00 | 2 | 4.37 | | - | - | - | |
| 23.00 - 24.00 | 3 | 4.10 | | - | - | - | |
| 24.00 - 25.00 | 8 | 4.75 | | - | - | - | |
| 25.00 - 26.00 | 10 | 4.42 | | - | - | - | |
| 26.00 - 27.00 | 10 | 4.51 | | - | - | - | |
| 27.00 - 28.00 | 9 | 4.51 | | - | - | - | |
| 28.00 - 29.00 | 10 | 4.66 | | - | - | - | |
| 29.00 - 30.00 | 12 | 4.77 | | - | - | - | |
| 30.00 - 31.00 | 14 | 4.83 | | - | - | - | |
| 31.00 - 32.00 | 15 | 4.22 | | - | - | - | |
| 32.00 - 33.00 | 10 | 3.99 | | - | - | - | |
| 33.00 - 34.00 | 12 | 4.08 | | - | - | - | |
| 34.00 - 35.00 | 14 | 4.26 | | - | - | - | |
| 35.00 - 36.00 | 14 | 4.50 | | - | - | - | |
| 36.00 - 37.00 | 15 | 3.89 | | - | - | - | |
| 37.00 - 38.00 | 13 | 3.99 | | - | - | - | |
| 38.00 - 39.00 | 18 | 3.71 | | - | - | - | |
| 39.00 - 39.39 | 7 | 3.44 | Calculated pen. | - | - | - | |
| 39.39 - | - | - | | - | - | - | |
| - | - | - | | - | - | - | |
| - | - | - | | - | - | - | |
| - | - | - | | - | - | - | |

Driving Log can be customized per project requirements

Software:

The SAX-Q can be programmed with a customized file by Pile Dynamics at the time of purchase. This file contains information that offers:

- One or more pages of additional input parameters
- Microsoft Excel template that will be used for saving data in this format
- Logo bitmap to be used on the headers of the DDL file printouts
- Preferred unit system for display and output (English, SI or Metric)
- Customized notes and labels that can be added by the operator during driving
- Customize up to 2 buttons on the Collect screen, for entering non-standard information during driving

SaxPlan - Plan and Cloud Capabilities:

Using the SaxPlan program, the user can create Plans for their projects. These Plans are divided into "Footings", each one containing an unlimited number of piles.

The SaxPlan program generates a file containing all the Plan information. This file is exported to the devices that will be used for testing the piles on a given job. Several files can be exported to a given device. Optionally, the Plan can be sent to a secure Cloud server.



Pile Dynamics, Inc. (PDI) is the world leader in developing, manufacturing and supplying state of the art QA/QC products and systems for the deep foundations industry. The company is headquartered in Cleveland, Ohio, USA, with offices and representatives worldwide. For additional information visit us at www.pile.com or contact info@pile.com.