Saximeter-Q

Saximeter-Q (SAX-Q)

Monitors blow count, penetration and hammer performance with automated output.

Reliable. Accurate. Essential.

The Sax-Q represents a completely new user interface designed for quick entry of project information and fast auto generation of drive log forms. The Sax-Q senses the impact from a microphone and counts each impact. Once piling begins, the inspector notes the advancement of the pile, and the Sax-Q automatically records a secure record of the time, blow count, hammer stroke and pile penetration. Data collected is quickly generated to a finished drive log, eliminating the need for copying data from a clipboard into a spreadsheet.

The Saximeter-Q:

- Generates drive log forms from hammer impact detection and incremental blow counts
- Offers a real-time, reviewable screen summary display of time increment, blow count, hammer strock and pile penetratoin
- 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 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
- Computes stroke for single acting diesel hammers

Saximeter-Q
PILE DRIVING RECORD
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Pile Dynamics, Inc.

Date: 11/4/2022 Project: SAMPLE PROJECT

Additional Information: PEDESTRIAN BRIDGE 12IN 0.25WALL

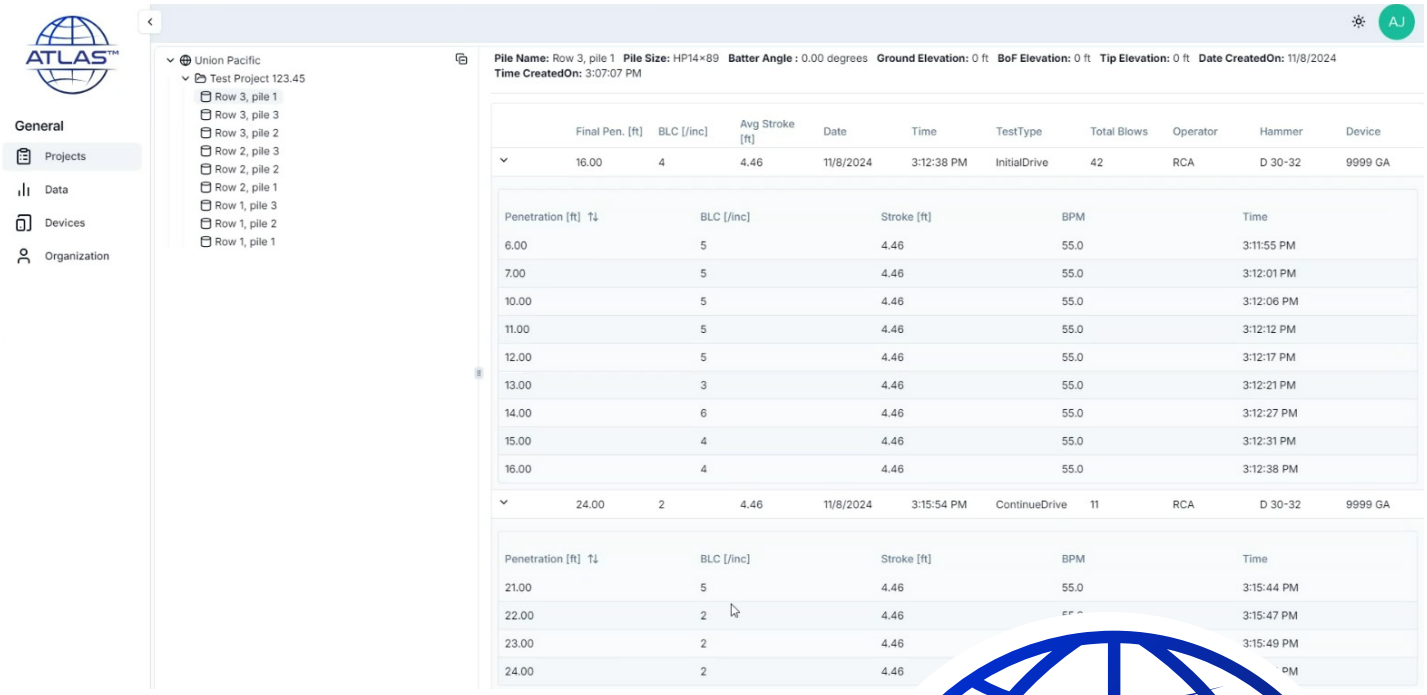
Pile No.: 3 Length: 45 ft Ram Weight: 4.19 kips

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



Secure Cloud Services

The SAX-Q works seamlessly with ATLAS™ secure cloud data management service. ATLAS offers a user-friendly interface, efficiency and data organzation for pile driving inspection. Project planning begins in ATLAS where the project, substructures and piles are defined. Piles in a substructure with similar properties can be easily batch created allowing for multiple drive sequences should the project require splicing or restrike testing. Intellegent controls simplify the creation of many piles within the same project, saving time for the contractor in the field. Once defined in ATLAS, the project can be synchronized down to the device and the unit is ready for data collection.

ATLAS™
SECURE CLOUD SERVICES

Data is automatically organized in ATLAS and can be easily reviewed to ensure all piles have met minimum driving criteria. Reports can be downloaded or shared directly from ATLAS with restricted user access, determined by the project administrator. Drive logs can be customized to match Department of Transportation requirements.

www.pile.com/atlas-secure-cloud-services/atlas-secure-cloud-services-for-the-saximeter-sax-q/

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.

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