

SiteMaster 2023: Slope inclinometer & Sensor Monitoring Solution

Applications

SiteMaster is powerful software used to process and present inclinometer data. SiteMaster provides...

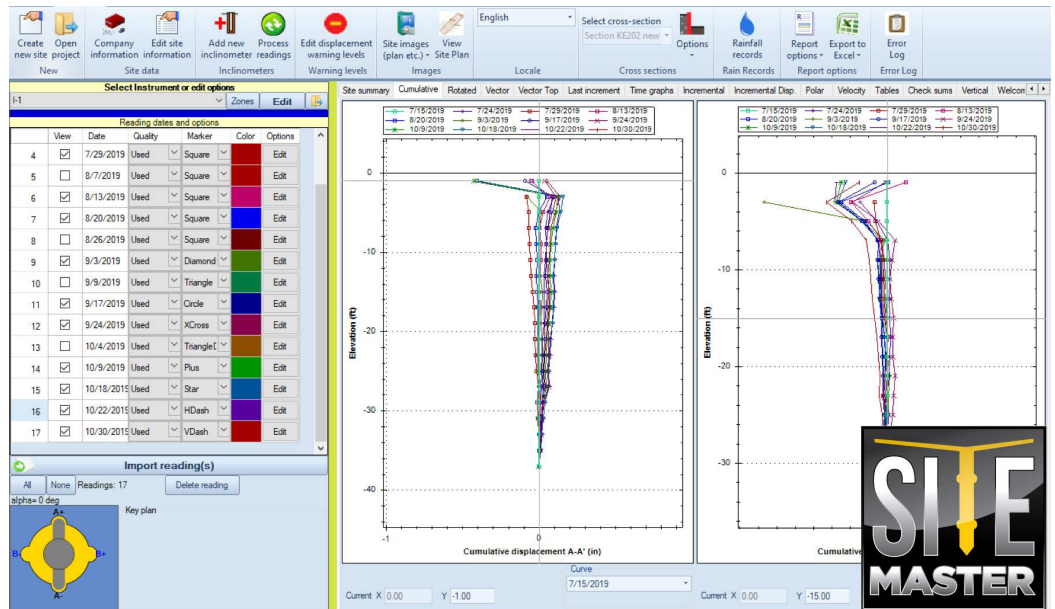
- Current project status
- Customizable graphs
- Displacement and velocity warning limits
- Inclinometer locations
- Construction history data
- Flexible data management

SiteMaster Pro adds the following features:

- USB Key for use on multiple PC's
- Import DXF Site Plan drawings
- Interactive time graphs on DXF drawings



• Site Plan View screen shot.



• SiteMaster graph showing cumulative inclinometer displacements.

What is SiteMaster?

SiteMaster is a powerful inclinometer processing and presentation software program. It can process and present all inclinometers within a project, as well as include plan view displacement graphs related to excavation construction history. SiteMaster can work with any inclinometer system that produces a text data file. Monitoring sites are stored in an easy to modify folder where all data items are placed in a systematic approach. Displacement graphs are organized in an efficient and easy way. Reports can be customized and exported in PDF or MS Word format.

Why SiteMaster?

SiteMaster has been developed by engineers that have wide experience in the geotechnical and geo-structural monitoring industry. Our company uses SiteMaster with pride in our inclinometer monitoring projects

Works with any inclinometer: SiteMaster can import data from any inclinometer system that produces a text based data file. Custom readers can be created to read any type of text data file. Geosense, Geokon, SINCO, SISGEO, RST Instruments, ITMsoil, Tecnopenta, OTR, ENCARDIO, and Digitilt inclinometer formats supported

Modern interface: SiteMaster has modern interactive interface. You can even double click on the inclinometers on plan view.

Logical layout: Graphs are logically presented. Easily zoom in and out on any graph to spot out critical data.

Export reports to MS Word, and Adobe PDF, & MS EXCEL

What is new in the 2020 version:

- Depth corrections
- High DPI-low DPI elevation graphs in reports
- Customizable elevation limits on reports
- Customizable marker sizes
- Customizable font sizes
- Reading error log

SiteMaster is the only software that allows you to follow and compare inclinometer displacements against construction progress for deep excavations.

Zoom around the site with interactive DXF drawings (SiteMaster Plus version only)



Under your fingertips

Site plan: You can enter a site plan view in a JPEG format, customize the scale and plot the maximum displacement progress on plan for all inclinometers.



Key Plan: Where is that inclinometer? Use our key plan, pin point that inclinometer.



Correction Options:

Corrections can be applied either to an inclinometer, or an individual reading. Available correction options include:

1. Spiral corrections
2. Transpose base corrections
3. Transpose points along depth
4. Rotational corrections
5. Bias shift corrections
6. Adjust probe constant for an individual reading
7. Vector displacements with depth

Powerful Features

Summary table: SiteMaster compiles a summary table for all inclinometers, that presents the current project status.

Customizable graphs: With SiteMaster you can generate customizable time reports at any inclinometer depth.

Warning limits: SiteMaster allows you to preset displacement and velocity warning limits. When a warning limit is exceeded, SiteMaster warns you with the appropriate limit color.

Construction history: SiteMaster is the only inclinometer software that allows you to record construction history with data such as excavation and water levels, ground anchor construction, etc.

New features:

- Import DXF site plan drawings
- Interactive time graphs on DXF drawings
- New project wizard
- New: Vector displacement graphs

Intelligence

Check-sum logic scanner: SiteMaster examines checksums readings, pointing out possible inconsistencies with easy to spot colors.

No.	Date	Displacement	Probe	Check sum A-A	Check sum B-B	STD A-A	STD B-B
1	7/15/2019 10:20:00 AM	Fake	20000	58.83	60.55	133.16	176.09
2	7/15/2019 11:33:00 AM	True	20000	45.00	3.85	116.01	55.02
3	7/24/2019 8:06:00 AM	Fake	20000	45.17	40.17	78.65	86.38
4	7/29/2019 1:59:00 PM	Fake	20000	25	17.76	79.28	103.39
5	8/7/2019 10:13:00 AM	Fake	20000	67.9	58.94	143.83	99.9
6	8/13/2019 6:54:00 AM	Fake	20000	62.94	63.44	125.27	86.24
7	8/20/2019 10:38:00 AM	Fake	20000	63.44	59.61	131.63	91.07
8	8/26/2019 1:44:00 PM	Fake	20000	79.53	62.5	176.04	92.54
9	8/30/2019 10:07:00 AM	Fake	20000	25.47	28.88	79.87	172.19
10	9/5/2019 12:56:00 PM	Fake	20000	71	60.83	140.53	82.98
11	9/17/2019 9:37:00 AM	Fake	20000	62.55	54.83	115.22	97.97
12	9/24/2019 9:14:00 AM	Fake	20000	74.77	59.94	148.33	100.07
13	10/4/2019 10:09:00 AM	Fake	20000	3.29	26.77	156.45	137.25
14	10/9/2019 8:29:00 AM	Fake	20000	31.88	17.88	90.38	144.63
15	10/18/2019 7:37:00 AM	Fake	20000	33.38	40	94.93	140.1
16	10/22/2019 10:15:00 AM	Fake	20000	30	35.55	96	150.92
17	10/30/2019 9:47:00 AM	Fake	20000	75.94	46.94	143.85	101.92

Smart Data System

SiteMaster has an intelligent and flexible data management system. Critical data are stored in XML files, and data can easily be adjusted using windows explorer.

The screenshot shows the SiteMaster software interface. At the top is a toolbar with various icons for file operations, site information, inclinometer readings, warning levels, site images, and view options. Below the toolbar is a 'Select Instrument or edit options' window. The main area displays a diagram of an inclinometer probe with labels for components like Cable, Cable fitting, Wheel assembly, Accelerometer, Wheel assembly, Cushion cap, Inclinometer grooves (A+ primary direction, B+ secondary direction), Inclinometer Probe, Cable, Cable fitting, Elec cable, Inclinometer, Casing, Borehole, Backfill, Bottom Cap, Coupling, Probe, Casing Alignment, Reading Interval, Guide wheels, and True vertical. A data table is visible on the left side of the interface.

Inclinometer software
Import data from any inclinometer
Reports in word & pdf

Welcome to Site-Master a program for processing and reporting inclinometer readings and other site data. To get started, select one of the available sample projects from the Open site data menu. These projects are located in the MyDocuments\Klimas\Site. Please take the time to view our online tutorials and videos. Thank you for using our software programs. Please feel free to contact us at support@deepeccavation.com or call us at 1-206-279-3300.



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