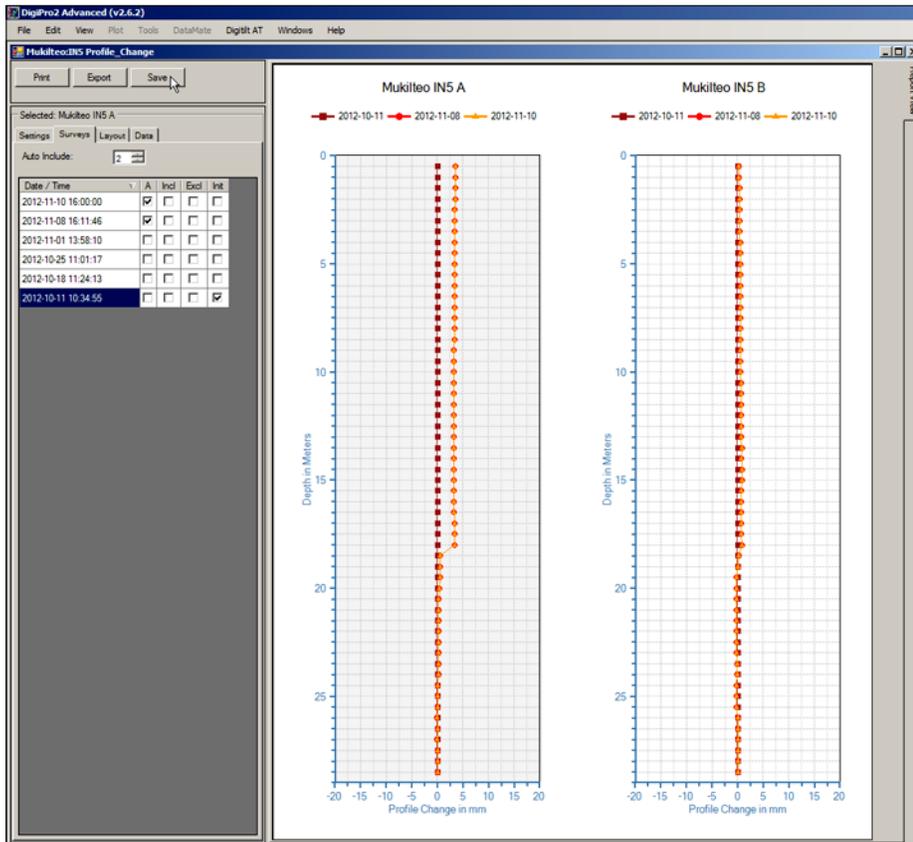# DigiPro2 Inclinometer Software

Technical Features

Readout Support: DigiPro2 works directly with the Digitilt DataMate. It also provides special support for the Digitilt AT system.

Database Manager: DigiPro2 stores surveys in a database for easy access later. It can import and export various formats and provides easy ways to inspect, edit, copy, and move surveys and inclinometers.

Plot Types: DigiPro2 provides a full range of plot types for both vertical and horizontal inclinometers. Plots can be printed or exported as images.

Advanced Corrections: DigiPro2 provides advanced corrections that can improve the presentation and understanding of data.

Correction routines for individual surveys include bias-shift, rotation, sensitivity, settlement, and XY translation. Correction routines for casing include orientation and spiral.

Compatibility: DigiPro2 runs on XP, Win7, and later versions of Windows. It can import surveys from the mdb databases created by DMM for easy migration to the new database.

Application

DigiPro2 software for Windows creates inclinometer databases, manages inclinometer data, and generates plots and reports. It also provides routines for diagnosing and correcting systematic error in data.

DigiPro2 works with both the Digitilt DataMate and the Digitilt AT Reader. It replaces the original DigiPro for Windows and DMM, the software previously used with the DataMate.

DigiPro2 provides a limited feature basic mode, which is free to use, and a full featured advanced mode, which requires purchase of a license key.

Visit the Slope Indicator website to download the software and view a comparison of basic and advanced features.

Productivity Features

Complete Solution: DigiPro2 does the work previously done by DMM and DigiPro. It is no longer necessary to use one program for retrieving and another program for plotting.

Easy Plotting: DigiPro2 generates plots with just a few clicks, and automatically includes the most recent surveys.

Reusable Plots: DigiPro2 stores plot settings for reuse, saving time and ensuring consistency.

Interactive Corrections: DigiPro2 applies correction values instantly, so it is easy to interate values to find the appropriate ones.

Easy Viewing: DigiPro2 optimizes plots to fit your display. It eliminates extraneous white space to display the largest plots possible.

DigiPro2 supports the Digitilt DataMate and the Digitilt AT Reader.

DATABASE MANAGEMENT

Readout Support: DigiPro2 communicates directly with the Digitilt DataMate and provides complete support for the Digitilt AT Reader.

Import Formats: DigiPro2 can import DMM databases and file formats including DUX, GTL, RPP, PCSLIN, RST, and M-Logger and CSV files.

Export Formats: DigiPro2 can export survey data as CSV, DUX, and GTL files; plotted data in TXT, CSV, Atlas formats; and plots as JPG, PNG, GIF, and BMP image files.

Databases: Create any number of databases, and then inspect, copy, and move surveys and inclinometers between them.

PLOTTING

Plot Types: DigiPro2 provides full support for both vertical and horizontal inclinometers. Supported types include tilt change & profile change (incremental & cumulative displacement), tilt & profile (incremental & cumulative deviation), time-displacement, checksums & difference checksums, spiral, and magnitude & direction plots.

Survey Selection: Surveys can be selected automatically or manually. Specify a number of recent surveys to include and explicitly include or exclude other surveys.

Data Units: Readings in the database are shown in sine units, mm, or inches. Plotted readings are shown in mm or inches.

Depth Units: Depths can be shown as depths or elevations in feet or meters and referenced to ground level via an offset adjustment. Another adjustment ensures that data are plotted at the top or bottom of an interval.

Boring Log: DigiPro2 can represent boring log information in the background of a plot, as a narrow column or as the full width of the plot.

Field Accuracy: The limits of field accuracy can be shown on a plot .

CORRECTION ROUTINES

Advanced Corrections: These routines can improve the presentation and understanding of data.

Routines affecting single surveys are bias-shift, rotation, and sensitivity corrections, which are related to the inclinometer probe, and translation corrections, which are related to the casing.

Routines that affect all surveys are orientation correction and spiral correction. Orientation correction can help when casing grooves are not aligned with the real direction of movement. Spiral correction can help when casing was twisted during installation.

PAGE LAYOUT

Page Layout: Paper size, paper orientation, margins, plot size and placement have default settings that can be modified for individual reports. One, two, or more plots can appear on the page, so long as they belong to the same inclinometer. Title blocks can be placed at the bottom or top of the page.

Graph Labels: Default labels can be replaced by custom labels. Font face and size can be changed. Legends can show date-only or date-and-time and can be placed automatically or manually.

Title Block & Logo: The title block provides one or more columns of data with font control for each column. DigiPro2 accepts PNG or JPG logo images and autosizes the height to the title block while maintaining the aspect ratio of the image.

COMPATIBILITY

DigiPro2 runs on XP, Win7, and later versions of Windows. It uses the Microsoft SQL Express engine. Databases have a new DPW extension.

DigiPro2 can import surveys from mdb databases created by DMM, so there is no loss of data when migrating from DigiPro1 and DMM to DigiPro2. Note that plots and reports may require some adjustments.
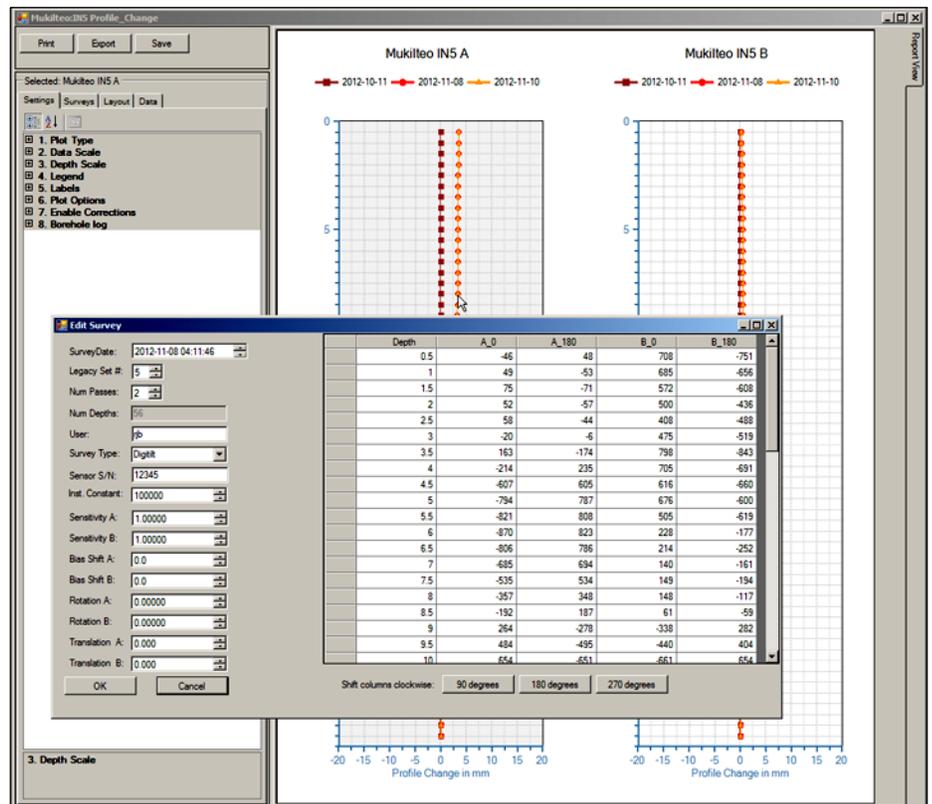
DIGIPRO LICENSE KEYS

DigiPro2 Software. . . . . Download
DigiPro License Key. 50310101

DigiPro2 software must be downloaded from the Slope Indicator website. It is not available on CD.

DigiPro2 runs in advanced mode for 45 days and then reverts to basic mode if no key is purchased. It continues to work, but all advanced features are disabled. A comparison of advanced and basic features is available at the Slope Indicator website.

To retain the advanced features, a license key must be purchased. The purchaser receives the license key by email and enters it into DigiPro2's license dialog. The program performs a one-time validation of the key via the internet and then permanently enables the advanced features.

Mouse over a data point to see the plotted value. Click on data point to call up the actual readings.