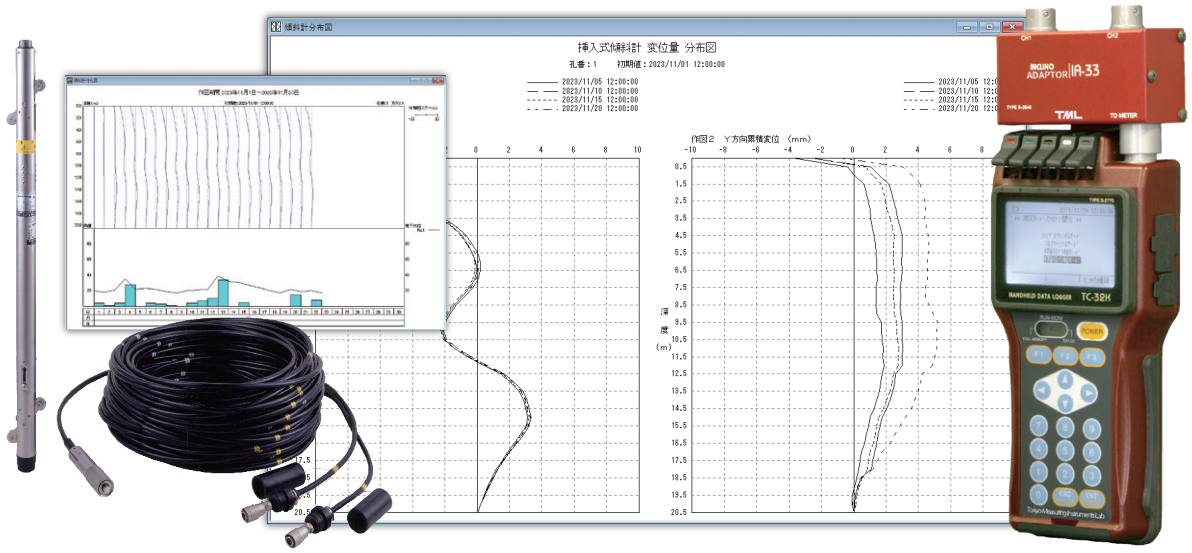
TML

Visual LOG®

Insertion-type inclinometer management software

IMP-7210

IMP-7210 is the software for data processing of the measurement data of insertion inclinometers.
The software imports via RS-232C the insertion inclinometer measurement data measured using a measuring instrument (Handheld data logger TC-32K, etc.) and stored in the data memory, and uses the data to determine the sectional and cumulative displacement of the insertion inclinometer at each depth and outputs graphs such as contrast and distribution diagrams and lists of data.
The measured data of the insertion inclinometer can also be input manually and directly.



Insertion Type Inclinometer KB-GC/KB-HC

Handheld Data Logger TC-32K **+ Inclinometer Adaptor** IA-33

Features

- **Number of observation holes up to 99**
- **Compatible with normal mode, multi-channel mode, and incremental mode of the measuring instrument (TC-32K)**
- **Direct reading of measurement data stored in the memory card of the measuring instrument by a PC for data processing (also compatible with the memory card of the TC-31M measuring instrument for full bridge)**
- **Initial value data can be arbitrarily selected from measurement data**
- **Manual input of daily rainfall and water level gauge data can be graphically compared with the measured data of the insertion-type inclinometer (KB-GC/KB-HC)**
- **Prints contrast charts, time variation charts, distribution charts, and numerical tables**

Connectable measuring instruments

Digital Strainmeters

TC-32K, TC-31K$^{TYPE\ S238C}$
Single point measurement (single channel/normal mode)

TC-32K, TC-31K + CSW-5B
2-point measurement (multi-channel)

TC-32K, TC-31K + IA-33/-32
(Inclinometer 1-axis, 2-axis/inclinometer mode)

Measurement data stored in the CF card of TC-32K and TC-31K can be directly read by a PC for data processing.
Note: Also compatible with TC-31M CF card

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[Specification]

Data Control File Name	Access style database Inclinometer data control.mdb
Number of points (number of observation holes)	Up to 99 points
Input of measurement data	1. Read data from the data memory of the measuring instrument (TC-31K/TC-32K) via communication. 2. Read data from the memory card of the measuring instrument (TC-31K/TC-32K) via communication. 3. Read data on the memory card of the measuring instrument (TC-31K/TC-32K/TC-31M) directly from a PC. In normal mode: Select from X(+), X(-), Y(+), Y(-) In multi-channel mode: Select from X (+) X (-) or Y (+) Y (-) 4. manual input from keyboard (X(+), X(-), Y(+), Y(-)) (when editing, data can be pasted from MS-Excel, etc. using the copy & paste function, or edited data can be pasted to Excel, etc.)

Daily rainfall input	Keyboard input of rainfall data (per month)
Input of water level gauge data	Keyboard input of groundwater level data (monthly)
Graphs	Distribution, change over time, contrast, cross-section over time
Numerical table	Display of point-by-point data
Interface or recording media	
TC-32K	USB, RS-232C, CF memory card
TC-31K	RS-232C, CF memory card
TC-31M	CF memory card only

[Operating Environment]

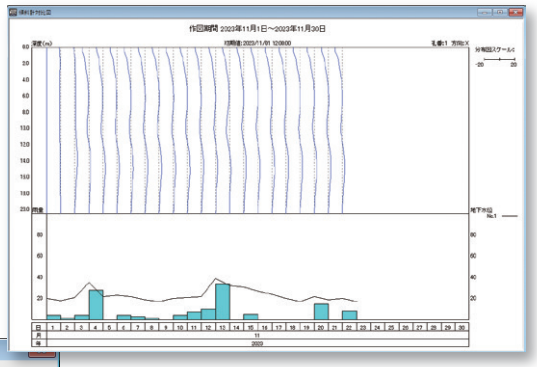
OS	Microsoft Windows 7(SP1)/8.1/10
PC	A model running the above OS and CD drive
Memory capacity	16MB or more free space
HDD	12MB or more free space (during setup)
Display	800 x 600 dots or more resolution
Protect key	USB dongle

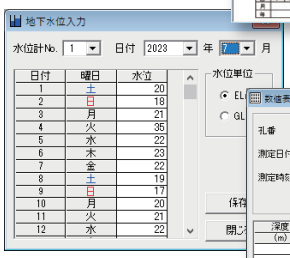
Example of image output

Manual input of rainfall and groundwater levels to create graphs in relation to inclinometers

[Contrast diagram]

Rainfall input



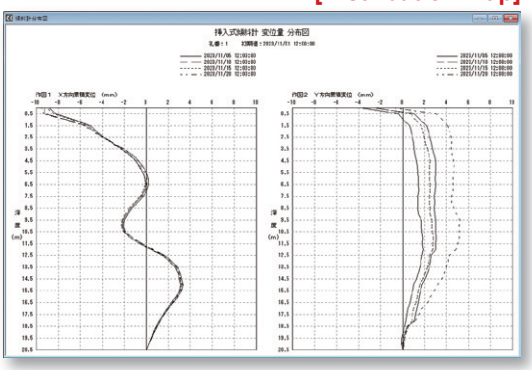


Groundwater level input

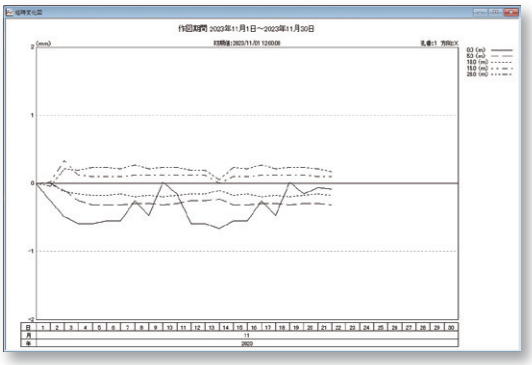
[Numerical Table]

2-directional X-axis and Y-axis cumulative displacement graphs

[Distribution map]



[Change over time chart]



Approval Certificate **ISO9001**
Design and manufacture of strain gauges, strain measuring equipment and transducers

The contents of this catalog are subject to change without prior notice.
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