

General

INCLAB is the data acquisition system delivered with the inclinometer probe. It allows the operator, through a keyboard and an LCD display, to set, read and record data during the measurements.

The data acquisition system INCLAB, can record data in two simple ways: in manual mode, using a pulse-button (trigger), and in automatic-timed mode, setting the recording rate by the end user. In both option the unit will beep after the acquisition stage.

SIM also supplies, upon request, an outer visual signal and an acoustic beeper placed on the trigger button.

The INCLAB readout unit has a RS232 serial port allowing its connection to a PC, for setting the data into the unit and for the transfer of the stored measurements.

Using the TEST procedure the inclinometer probe can be checked for his functioning.

The INCLAB readout unit can be connected to a servo accelerometer sensor as well as to an pendulum sensor.

SIM also supply a software package INCLAB Manager and Processing. The Manager software is used to set the unit and to download the stored measurements. It also has a database with all the executed measurements, allowing further unit setting with great simplicity. The Processing software is used to process and to visualize graphically the inclinometric data, giving temporal indications over the landslide movements, as well as printing the data and the graphics.

Applications

Reading and acquisition of inclinometer measurements.

Manual and automatic acquisition

Compact and manageable

Easy to use

Software with graphical and numerical processing

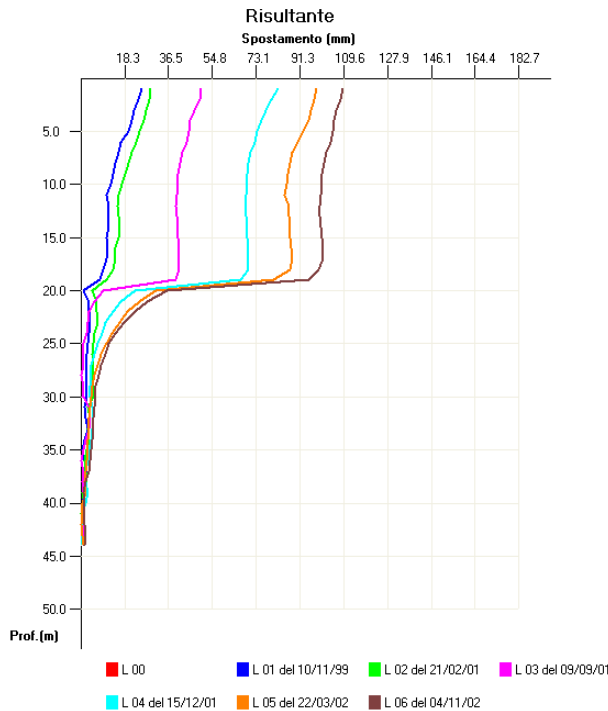
Up to 19 graphics

Database

Suitable from Windows™ 95 and further



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Technical features

Model	INCLAB
Connectable sensor	Servo accelerometer, Pendulum*
Inputs	2
Supply	12Vcc
Resolution	±20000 points
Interval of acquisition	0.5, 1 mt
Maximum depth	100, 200 mt.
Memory	30 measurements (4 guides x 200 mt)
Guides	2, 4
Communication	RS232
Speed (baud)	9600
Display	LCD 4x20 characters, back-light
Keyboard	membrane
Operating temperature	-20 ÷ +70 °C
Dimensions	267x197x115 mm
Weight	1.8 Kg

* upon request

Accessories & spare parts

IN910 - AX - CRS1	Serial cable
IN910 - AX - CT01	Trigger cable
IN910 - AX - CT02	Trigger cable with acoustic and visual signal
IN910 - AX - CC01	Connection cable reel-INCLAB
IN910 - AX - PS01	220V Power supply
IN910 - AX - CPS1	Car lighter supply cable

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