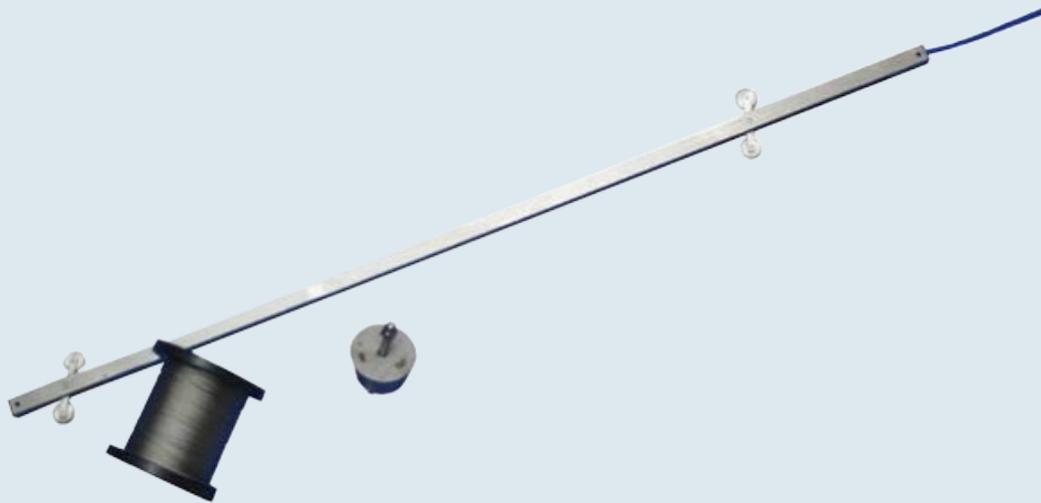


IN935

Depth fixed inclinometer



Description

The necessity for a continuous monitoring of the landslide areas with effective alarm systems, has led SIM to develop the depth fixed inclinometers model IN935.

Keeping the same high quality features of the inclinometric system IN910, this model has the advantage of resetting the all the occasional errors existing in the mobile inclinometric measurements, as well as having real time landslide monitoring. Inserted in inclinometric casing, the IN935 series electrolytic or Hall effect probes can measure position shifts of sliding planes.

The probe consists of a cart having inside the sensor. A desired number of probes are inserted in the inclinometric casing, installed at a specific depth.

The connection between the elements of the inclinometric column is fastened by a stainless steel cable and the distance between the probes can be decided or in the project phase as well as during installation.

The entire inclinometric column is hanged at the top the casing by a element called "Support head".

Every sensor is provided with a calibration certificate that attests the results of the test performed and all electromechanical features.

Manual read out with DATAVIEW.

Automatic read out with MINILOG, MYLOG.

Readout units with NATUN.

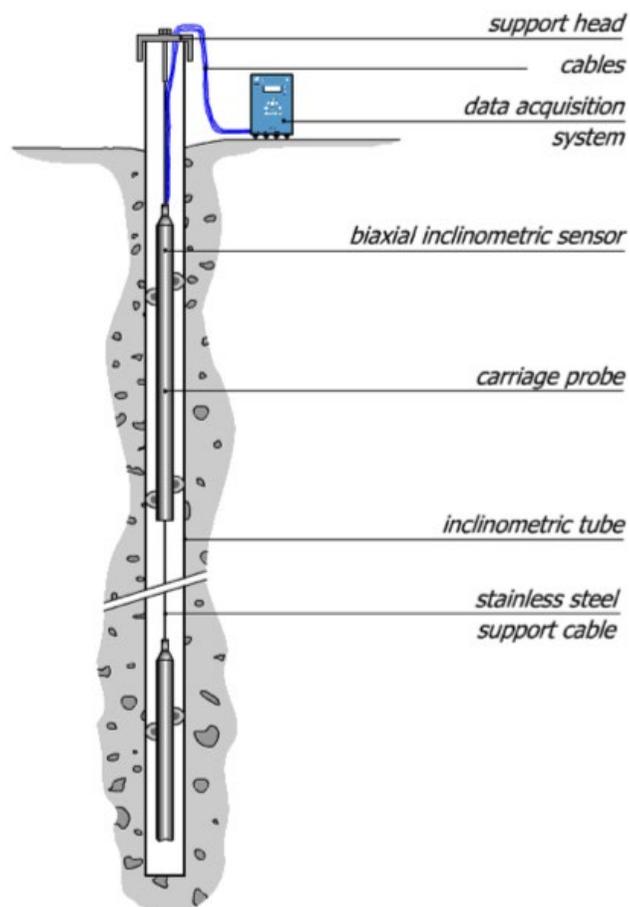
Applications

Measurement of horizontal displacement in landslides, dams, embankments, bridges, viaducts, tunnels etc.



IN935

Depth fixed inclinometer



Technical features

Model	IN935-HL-FS*	IN935-EL-FS*
Sensor	Hall effect	Electrolytic
Range	±5, ±10, ±20, ±30	±5, ±10
Supply	12-24Vcc	
Output	± 2V	4-20mA
Linearity	0.5%	0.25%
Repeatability	0.03%	0.01%
Alignment	0.2°	0.1°
Zero shift in temperature	0.03%FS/°C	0.001%FS/°C
Temperature sensibility	0.02 %FS/°C	0.001%/°C
Operating temperature	-20 ÷ 80°C	-54 ÷ 125°C
Diameter	25x25 mm	
Length	1150 mm	
Probe step	1000 mm	
Weight	1.8 Kg	
Material	Stainless steel	

Accessories

Stainless steel cable	IN930-MWDM-MM**
Clamps	IN930-MR01
Stainless steel connecting rod (2mt)	IN930-AS02
Stainless steel connecting rod (1mt)	IN930-AS01
Support head	IN930-TS01
Bag	IN910-BRIN

*FS Indicate the range

**MM Indicate the meters