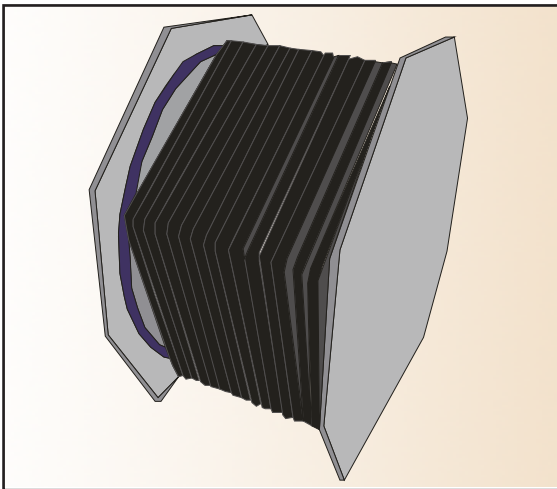


GT-SAA Advanced In-Place Inclinerometer



Key Features

- In-Place Inclinerometer with sensor every 0.5 meter
- Could be installed Horizontal, Vertical or Mixed shape (i.e. tunnel section)
- Wheel Assembly makes the instrument easy to install/retrieve back
- Digital Output.

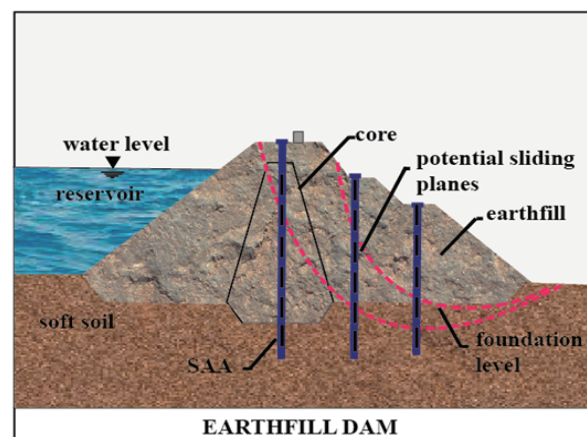
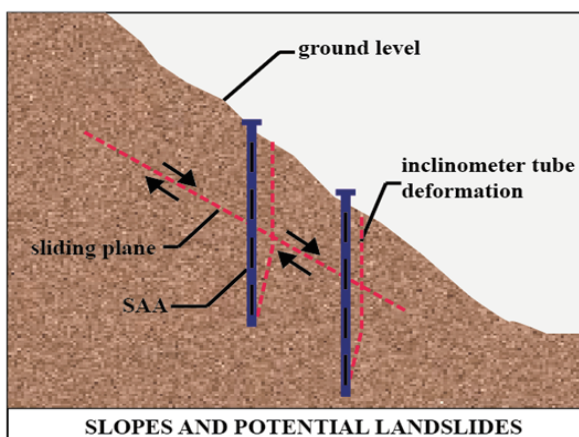
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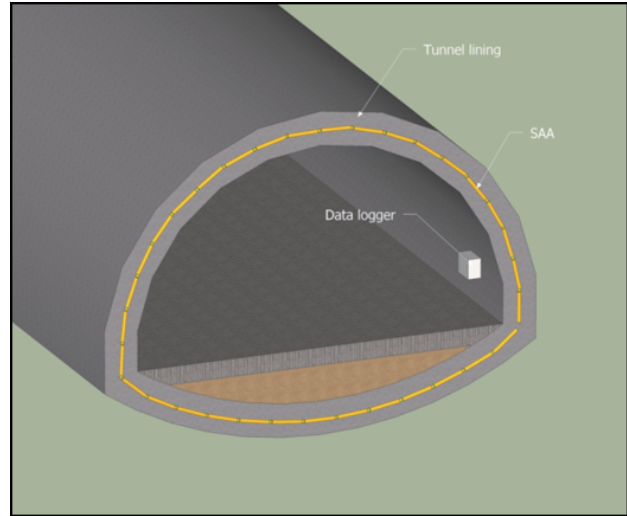
GT-SAA Advanced In-Place Inclinerometer

GT-SAA is an Advanced Model of In-place Inclinerometer, in which it contains tri-axial direction sensors in each segment which could measure the displacement on vertical and horizontal directions. Thus it is suitable for any application such as settlement monitoring, measuring slope stability, and also deep excavation monitoring. GT-SAA is customizable with wheel assemblies which allow the instruments to be installed inside Inclinerometer casings. The total length is customizable up to 100 meters with the typical distance of each segment is 0.5 meter, Between each two segments is a flexible universal joint allowing GT-SAA to move in accordance with the borehole or any installed structures. GT-SAA also has a waterproof housing.

GT-SAA transmits the data by using digital output. The advantage of using digital output is that the instrument will be insensitive to external noise. Each sensor has its own digital address in which allows high frequency transmission of the data.

Applications





Specifications

Physical and Technical Specifications	
Segment Length	500mm
Maximum Length	100 m
Diameter	27 mm
Operating Temperature	-35°C to 60°C
Waterproof Ratings	IP68
Power Supply	12VDC
Data transmission	Digital RS 485
Measurement Direction	Vertical (X,Y -Axis) Horizontal (Z -Axis)
Measurement Range	±45°
Long term Accuracy	1.5mm/32 m
Resolution	0.001°
Wheel Assembly	Customable (For Installation Inside Inclinator Casing)