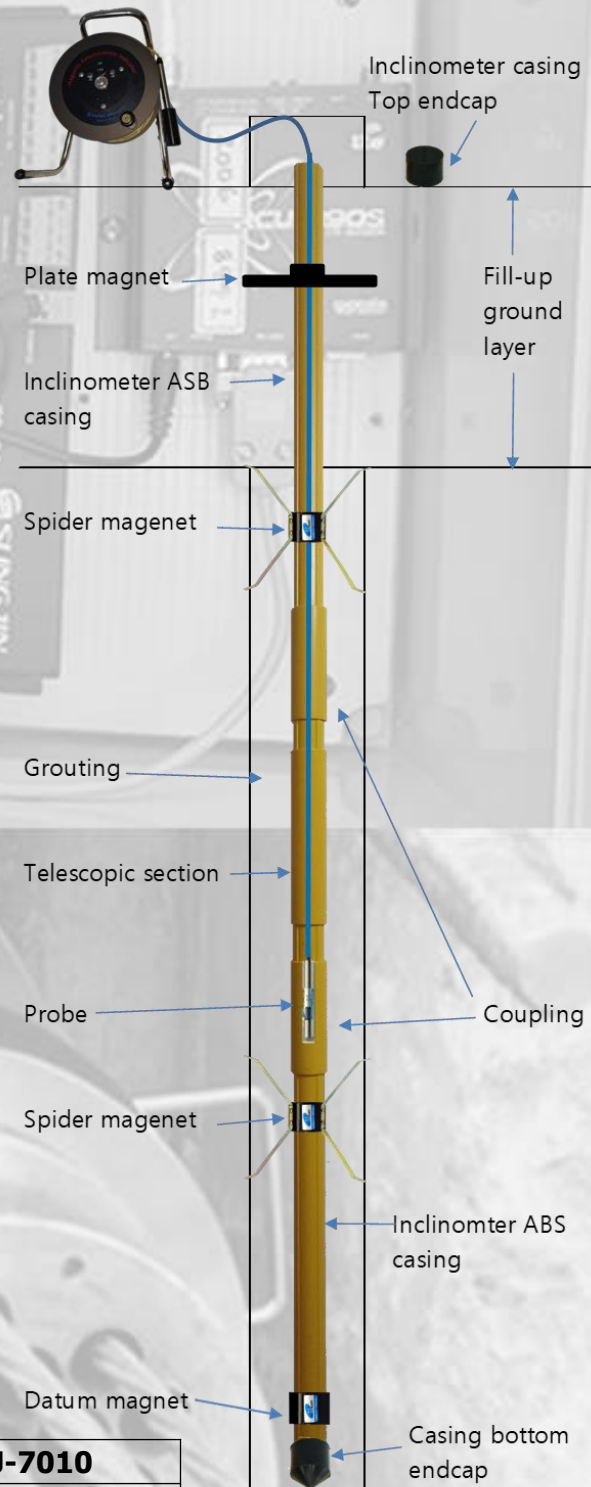


Description

This probe is used for water level and magnetic extensometer. This Casarande water level meter measure under ground water level to check load increase by increase of under ground water pressure. And also check change of water by excavation to grasp effect of around structure and study environment damage by exhaustion of under ground water, and stability by settlement.



Operation

When water level probe is reached to under water through PVC pipe that is installed with water level filter, sensor is connected to electrode and buzzer is rung on and lamp is on. At the moment, operator read tape measure that is connected to probe.

Specification

Model	SJ-7000	SJ-7010
Measurement range	50 meter	100 meter
Tape	Fiber glass PVC tape	
Tape Accuracy	1mm	
Indicator	Lamp and buzzer	
Probe	Stainless steel Ø22 X 185mm	
Power	DC 9 Volt, Ni-MH Rechargeable battery	

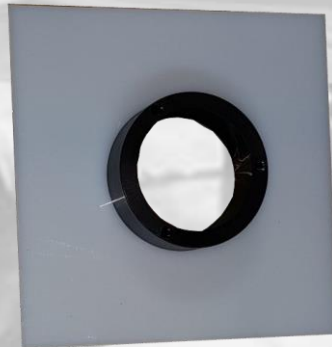
Installation

- * Operator shall fix datum magnet (ring magnet) by screw nail or clamp the above 50cm from the bottom of PVC access pipe (or inclinometer casing).
- * Operator fix datum magnet at the steady layer as like rock install spider magnet by installation rod and leg at the plaining depth step by step.
- * Size of magnetic sensors depend on diameter of borehole, and datum magnet is smaller than borehole and spider magnetic including spider leg is bigger than diameter of borehole to protect slip.
- * Operator insert tremie pipe or grout pipe grout in borehole and grout borehole from bottom by pump.
- * Operator shall install magnetic spider to has enough space from coupling for protection that magnetic sensors are caught by coupling during settling.

Spider magnet

Datum magnet

Plate magnet



Specification

Magnetic probe and reel	SJ-7000		SJ-7010	
Measurement range	50 meter		100 meter	
Probe dimension	Ø19 X 180mm			
Tape Accuracy	1mm			
Resolution	±1mm			
Spider magnet	SJ-7130	SJ-7140	SJ-7160	SJ-7170
Diameter	Ø30 (for PVC pipe)	Ø40 (for PVC pipe)	Ø60 (for inclinometer casing)	Ø70 (for inclinometer casing)
Ring magnet (Datum magnet)	SJ-7230	SJ-7240	SJ-7260	SJ-7270
Diameter	Ø30 (for PVC pipe)	Ø40 (for PVC pipe)	Ø60 (for inclinometer casing)	Ø70 (for inclinometer casing)
Magnet plate	SJ-7330	SJ-7340	SJ-7360	SJ-7370
Diameter	Ø30 (for PVC pipe)	Ø40 (for PVC pipe)	Ø60 (for inclinometer casing)	Ø70 (for inclinometer casing)