



Digital Inclinator Chain OG340

Technical Features



Digital Inclinator Chain is employed when a nearly real-time monitoring is requested. It's suitable to measure the critical locations continuously. Its body is made up by stainless steel and has connected a carbon fibre extensor. Each chain is composed by a line of probes bonded each other at the bottom and top with a screw that allows them to move along a joint. The different pieces of the chain are linked using waterproof connectors and a single bus cable connect the system to the readout unit.



Applications

The In-Place inclinometer chain system is made up of a stainless steel probes and carbon fibre extenders. It is used wherever it is necessary to detect a lateral displacement caused by a landslide or a horizontal movement

It can be used for monitoring:

- Landslides
- Dams
- Tunneling
- Deep excavations
- Unstable slopes

Installations

Placement of Digital inclinometer chain should requires manual measurements before installation. The system provides only the pose of the probes in the interest treat of measure suspending in hole a dummy probe to instal it.

Related Instrument

- Suspension Head
- Datalogger D4000
- OtrMonitoring



Technica Specification



Model	OG340
Description	Mono and biaxial Inclinometric chain
Functioning principle	MEMS
Full scale	$\pm 15^\circ \pm 30^\circ$
Resolution	0.002°
Power supply	12-18 Vcc
Non-linearity	< 0.5% F.S.
Cross Axes	< 1%
Thermal drift	<0.002° /K
Operating temperature	-20°C / +60°C
Bring sensor material	Stainless Steel AISI 304
Protection Degree	IP68
Thermometer	Integrated
Weight	1Kg/probe
Output	RS485



Codes & Part Numbers

P/N 2022400
P/N 2022401
P/N 2022402
P/N 2022403
P/N 2022410

Biaxial, IPI, digital, chain installation. Step 1000 mm
Biaxial, IPI, digital, chain installation. Step 1500 mm
Biaxial, IPI, digital, chain installation. Step 2000 mm
Stainless Steel Support for digital probes
Software and programming cable for PC