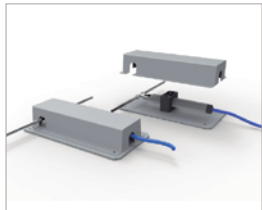


DAMS AND EMBANKMENTS



TELECOORDINOMETER

It is an optical device designed for automatic measurement of the coordinates of the pendulum plumb lines. All TEL -310S units are IP68 waterproof until 50 kPa.



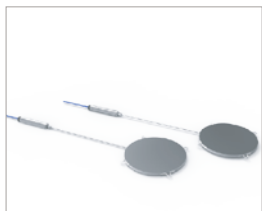
MULTIPOINT SETTLEMENT GAUGES

They are utilized to measure differential settlements into earth fill dams. Embankment gauges are usually embedded in the filling material during dam construction.



VIBRATING WIRE PIEZOMETERS

Their construction technology makes them particularly suitable for long-term monitoring. They are commonly employed to control pore water pressure.



EARTH PRESSURE CELLS

Aimed to monitor the total pressure in earth fill dams, embankments or at the interface between a retaining wall and soil. Available with VW or electrical transducer.



DATA ACQUISITION SYSTEM

OMNIAlog is designed for field use, available for both analogue and digital instruments. It has an on-board WEB server suited for alarm notification and remote data transmission.

ABOUT US


Founded in 2011, **SISGEO LATINOAMERICA** is the Colombia based company aimed at expanding the business as exclusive Sales Office Branch for **SISGEO** Geotechnical Instrumentation products in all central-south american market.

SISGEO was founded in 1993 and has distinguished itself among the international excellences thanks to a tight and highly motivated working group, who devoted itself with passion and creativity to design and produce high quality instruments to meet the broader needs in the field of civil engineering. "Made in Italy" is the heart of our business and at the same time a legacy of history, creativity, style and passion we are proud to bring to the world with our products and services.

In 1997 **SISGEO** has achieved ISO 9001 Certification and since then, the constant and continuous implementation of our Quality System, widespread at all levels of the Company, is a source of improvement, evolution and growth.


SISGEO LATINOAMERICA through its engineers, geologists and technicians with proven skills is able to plan and carry out technical visits efficiently and quickly in South and Central America in order to respond to any request of our customers.

CONTACTS

 Cra. 16 A No. 80-06/16 Of. 506, Bogotá - COL.
Cil. 6 No. 17 - 105 Casa de Campo, Medellín - COL.

 info@latinoamerica.sisgeo.com

 Skype: [sisgeo.latinoamerica](https://www.skype.com/addtocontact?name=sisgeo.latinoamerica)

 +57 1 636 8710



www.latinoamerica.sisgeo.com

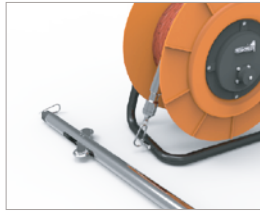


GEOTECHNICAL INSTRUMENTS AND STRUCTURAL HEALTH MONITORING



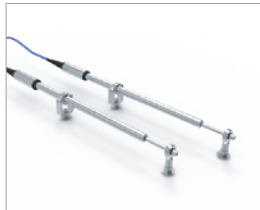
LF_ENIG_P-PRODUCTS-REV.01 04/2018

LANDSLIDES AND UNSTABLE SLOPES



DIGITAL INCLINOMETER SYSTEM

Digital MEMS inclinometer is the most versatile portable device for inclination measurements within grooved casing. It provides high accuracy, shock resistance and durability.



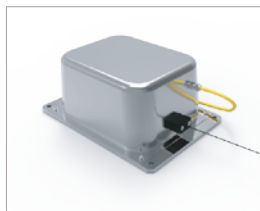
CRACKMETERS AND JOINTMETERS

They could be installed for cracks or joints relative movement monitoring. Jointmeters are available with vibrating wire and potentiometer transducers in order to suit any application.



IPI IN-PLACE INCLINOMETERS

Jointed together and suspended inside a vertical casing, they will follow the soil deformation. The digital version allow to install a continuous chain of probes.



WIRE CRACKMETERS

They are aimed to monitor changes in the distance between two anchor points located up to 30 m apart. They consists of a stainless steel transducer box and an opposing anchor, and a wire that runs between the transducer and the opposing anchor.



MINI OMNIALOG DATALOGGER

Mini OMNIAlog is a 4 channels datalogger designed for field use with low power consumption and able to read and store data from both analogue and digital instruments.

TUNNELS, MINES AND UNDERGROUND WORKS



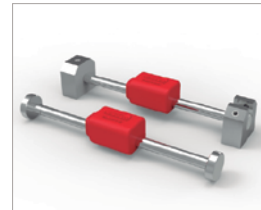
MEXID EXTENSOMETERS

They are miniaturized borehole extensometers that allow installation into a 50 mm diameter drilling. The displacement transducers are incorporated into the instrument head.



T-REX REMOVABLE EXTENSOMETER

They are miniaturized borehole extensometers that allow installation into a 50 mm diameter drilling. The displacement transducers are incorporated into the instrument head.



VIBRATING WIRE STRAIN GAUGES

They are utilized to monitor the stress in steel or concrete structures. Strain gauges are particularly durable and thermally aged to minimize long-term drift.



NATM STRESS CELLS

They consists of a pressure pad connected to a transducer through an hydraulic line filled with de-aired oil. Stress cells are supplied with C6002 readout that display readings in MPa.



DEX IN-PLACE EXTENSOMETERS

DEX are designed for automatic monitoring of settlements or heaves. DEX-S probes are able to perform a 3D borehole monitoring (settlement + horizontal displacement).

BRIDGES AND STRUCTURES



SURFACE TILT METERS

They are employed for tilt monitoring of bridge decks, piles and walls. Tilt meters are available in analogue and digital version, equipped with uniaxial or biaxial mems sensor.



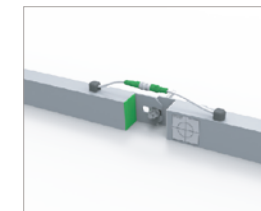
H-LEVEL SETTLEMENT SYSTEM

Based on hydraulic principle, a chain of h-level gauges is able to measure differential settlements of the structure where they are installed. Available in analogue and digital version.



ANCHOR LOAD CELLS

They are used to measure tensile loads in tie-back anchors or rockbolts. Available in two versions: hydraulic with manometer or electric for automatic.



DIGITAL TILT BEAMS

They are installed in continuous horizontal chain in order to monitor the differential settlements of the building where they are installed. Available in different lengths and full-scales.



BOREHOLE ROD EXTENSOMETERS

they are installed in boreholes in order to monitor displacements at various depths, using rods of different materials and lengths. Automatic or manual reading available.